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Ministry of the  
Environment

Water Resources  
Bulletin 1-4  
General series



**DATA FOR  
NORTHERN ONTARIO  
WATER RESOURCES  
STUDIES  
1971**

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*WATER RESOURCES  
BULLETIN 1-4  
General series*

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NORTHERN ONTARIO  
WATER RESOURCES  
STUDIES  
1971**

MINISTRY OF THE ENVIRONMENT

Water Quantity Management Branch

TORONTO

ONTARIO

1973

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# Water Resources Bulletin 1-4

## Data for

### Northern Ontario Water Resources Studies

1971

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#### INTRODUCTION

In October, 1965, the Prime Minister of Canada and the Premier of Ontario announced that the Governments of Canada and Ontario had agreed to undertake a series of co-ordinated studies of Ontario's northern water resources and related economic development. Provision was made for the establishment of a Co-ordinating Committee representing the two governments to arrange for the exchange of all information gathered in the studies and to avoid duplication or overlapping of effort by the participating agencies. Most of the work is being undertaken in five large river basins draining to Hudson Bay and James Bay. From northwest to southeast, these are the Severn, Winisk, Attawapiskat, Albany and Moose River basins.

The Co-ordinating Committee prepared a statement of objective for the studies to be carried out separately by agencies of the two governments, as follows:

"With respect to waters draining into James Bay and Hudson Bay in Ontario, to assess the quantity and quality of water resources for all purposes; to determine present and future requirements for such waters; to assess alternative possibilities for the utilization of such waters locally or elsewhere through diversions."

The Government of Ontario delegated its part in the hydrologic and engineering aspects of the studies to the Ontario Water Resources Commission which is now part of the Ministry of the Environment. The OWRC assigned the Hydrologic Data and Surveys and Projects Branches of the Division of Water Resources to pursue these studies. Ontario's responsibilities in the economic aspects of the studies were delegated to the Applied Economics Branch of the Department of Economics and

Development, currently with the Ministry of Treasury, Economics and Intergovernmental Affairs.

### SCOPE OF BULLETIN

This bulletin is limited to the presentation of data gathered by the Ontario Water Resources Commission during 1971. Tables and a map are used to present the data and information on streamflow, groundwater levels, snow-fall, water chemistry, water biology and hydrogeology. A report will be published at the end of the studies and will deal with the interpretation of the data obtained and the significance of the various hydrologic factors to the water resources in northern Ontario. Data collected by other agencies are not included in this publication, however, the locations of hydrometric stations operated by other agencies are shown on the enclosed map.

### SURVEY ACTIVITIES

The activities of the two Branches of the Division of Water Resources are described below:

The Hydrologic Data Branch was engaged in the development and maintenance of its hydrometric network and the gathering of hydrologic data in the study area. Field investigations were carried out to select sites for the location of streamflow gauging stations. Recorders were maintained and new ones installed on streams and wells for either continuous or short term measurements to provide background data for study by the Surveys and Projects Branch. The Branch collaborates with the Water Survey of Canada in the establishment of co-operative streamflow gauging stations.

The Surveys and Projects Branch was engaged in the evaluation of hydrogeologic conditions in selected areas and in water quality studies throughout the study area. A well drilling program was carried out in the Pickle Lake area within the Attawapiskat basin. Surficial geologic studies were done in the headwater regions of the Winisk, Attawapiskat and Albany basins.

Water samples for chemical water quality evaluation were collected from selected streams, lakes and wells by staff of the OWRC. Samples were also collected from streams at federal gauging station locations by the Water Survey of Canada for the OWRC. The selected streams and lakes were sampled regularly and the wells only once. Extensive sampling was done in the Moose, Albany and Attawapiskat river basins and less extensively in the Winisk and Severn river basins.



In addition to the chemical water quality sampling of the selected lakes, the Branch collected water samples for the determination of phytoplankton, zooplankton and chlorophyll concentrations, and mud samples from these lakes for heavy metal analysis.

## EXPLANATION OF DATA PRESENTATION

All data published in the tables that follow have been grouped according to the major drainage basins. The following comments explain some of the terms and descriptions used.

### Locations

Latitude and Longitude were determined from scaling the plotted locations on maps. The descriptions are further elaborated by references to stream features such as confluence, lake outlets or nearest settlement.

### Drainage Area

The drainage area of a streamflow station is the area, enclosed by a surficial divide, that contributes to runoff from the precipitation falling on the area. Areas were determined from the maps of the National Topographic System at a scale of 1:250,000.

### Gauges

Where appropriate, types of gauges and brief descriptions of the devices are given. The primary gauge used has been the Brott water level recorder. This instrument operates on the principle of measuring the static pressure on the end of a tube which is slowly bubbling nitrogen gas from a tank under pressure. The pressure sensing element activates a pen on a strip chart recorder.

### Discharges

Discharges were computed from streamflow measurements and from stream-stage data collected at automatic water level recording stations using stage-discharge relationships developed for these stations. Stream velocities were measured by either the wading or suspension method. When using the wading method the meter was attached to a rod which was held vertically and rested on the stream bottom. When using the suspension method the meter was suspended from a cable

and winch using a boat. In both cases, the stream was divided into approximately 20 sections. Their spacing was selected so that the discharge in each section did not exceed ten per cent of the total discharge. Velocity measurements were taken and the discharge calculated for each section. The total discharge across a river is the sum of these discharges.

Velocity measurements were taken at 0.2 and 0.8 of the depth of each section and were averaged to give the velocity of the section. In extremely shallow conditions, velocity measured at 0.6 of the depth from the water surface was assumed to be the average velocity. Most of the boat measurements were done utilizing a tag line suspended across the river. This was to position the boat at the selected section and to steady the boat in the current.

### Snow Courses

Snow courses consisting of ten sampling points, spaced approximately 100 feet apart, were laid out in the bush so that typical average snow depths could be measured. The snow courses were sampled by a Mount Rose sampler which involved the taking of a core of snow in a tube, recording the depth of snow, weighing the core and sampler and calculating the water equivalent from the weight of the core.

### Water Quality

Temperature, conductivity and secchi disk readings of the surface waters were measured in the field; dissolved oxygen, turbidity and colour were determined in the field office; and all chemical and biological analyses on surface and ground water samples were done at the Commission's Toronto Laboratory.

### Biological Sampling

Biological samples were collected with water quality samples. Zooplankton samples were taken with one vertical haul of a Wisconsin plankton net, from two feet above the bottom to the surface. Phytoplankton samples were taken using one vertical haul of a composite sampler through 2.5 times the distance of the secchi disk reading.

## FIELD PERSONNEL

The field activities were co-ordinated by Mr. R. Pikula. The personnel engaged in Northern Ontario Water Resources Studies field activities during the year 1971 are listed below:

### Surveys and Projects Branch

R. Pikula - Engineer  
K. T. Wang - Geologist  
A. Roy - Scientist  
C. Boodram - Technician  
D. Andrijiw - Summer Student

### Hydrologic Data Branch

M. Reid - Engineer  
D. Moore - Technician

## OTHER SOURCES OF DATA

It should be noted that the data contained in this report are only those collected by staff of the former Ontario Water Resources Commission presently part of the Ontario Ministry of the Environment. Additional information is available from the following agencies:

Streamflow -	Inland Waters Branch, Environment Canada, OTTAWA, Ontario.
Snowcourse -	Atmospheric Environment Service, DOWNSVIEW, Ontario.  Ontario Hydro Electric Commission, TORONTO, Ontario.
Rainfall -	Atmospheric Environment Service, DOWNSVIEW, Ontario.  Ontario Ministry of Natural Resources, District Headquarters.
Geology -	Ontario Ministry of Natural Resources, TORONTO, Ontario.  Geological Survey of Canada, OTTAWA, Ontario.
Chemical Analysis of Water -	Ministry of Natural Resources, TORONTO, Ontario.

TABLE 1  
STREAMFLOW  
ALBANY RIVER BASIN  
1971

STATION NUMBER: 43-01-024  
 LOCATION: Albany River at outlet of Miminiska Lake  
 51° 33'N, 88° 33'W.  
 DRAINAGE AREA: 3,360 sq. miles  
 GAUGE: Float Type/Pressure Type

DAILY DISCHARGE IN CUBIC FEET PER SECOND												
Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept	Oct.	Nov.	Dec.
1							3740	4800			6370	4790
2							3670	5170			6650	4680
3							3560	5360			7020	4590
4							3600				7250	4530
5							3510				7430	4500
6							3470				7840	4470
7							3260				7730	4440
8							3320				7550	4470
9							3300				7360	4390
10						5370	2990				7280	4330
11						5300	2880				7180	4340
12						5200	2800				7100	4350
13						5000	2910				7010	4370
14						4890	2860				6830	4380
15						4750	2820				6680	4410
16						4630	2850				6570	4440
17						4590	2750				6430	
18						4600	2610				6330	
19						4490	2590				6120	
20						4470	2520				5950	
21						4410	2570			4460	5770	
22						4400	2620			4520	5520	
23						4350	2590			4540	5280	
24						4260	2550			4540	5210	
25						4190	2700			4520	5210	
26						4100	2790			4500	5210	
27						4010	2730			4550	5200	
28						4050	3000			5090	5140	
29						3960	3500			5090	5080	
30						3840	3830			5260	4960	
31							4300			6040		
Mean							3070				6380	
Max.							4540				8070	
Min.							2460				4890	

TABLE 2  
STREAM FLOW  
ALBANY RIVER BASIN  
1971

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STATION NUMBER: 43-01-025  
LOCATION: Balkam Creek at the outlet of Balkam Lake  
50°11'N, 86°45'W  
DRAINAGE AREA: 18 sq. miles  
GAUGE: Pressure Type

DAILY DISCHARGE IN CUBIC FEET PER SECOND												
Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept	Oct.	Nov.	Dec.
1							16.3	8.0	2.7	41.5	46.7	
2							14.9	7.9	2.9	53.6	47.6	
3							13.8	7.8	3.4	65.6	48.7	
4							13.9	7.3	4.6	78.7	48.2	
5							12.3	6.8	5.4	89.8	47.3	
6							10.8	6.3	5.9	91.0E	47.4	
7							10.2	6.0	6.1	90.0E	47.6	
8							10.1	5.8	6.0	89.8	47.4	
9							9.2	5.4	5.9	86.4	45.2	
10							8.1	4.9	6.4	82.0	42.5	
11							7.4	4.4	6.8	74.7	40.4	
12							7.1	4.0	6.7	69.1	38.2	
13						38.1	8.0	3.7	6.2	64.0	35.6	
14						34.4	8.4	3.5	6.4	59.1	33.2	
15						31.4	8.5	3.3	7.0	55.7	31.2	
16						28.2	8.6	3.4	7.2	51.6	29.4	
17						25.8	8.7	3.6	8.2			
18						30.7	9.1	3.5	8.2			
19						28.7	8.8	3.6	7.9			
20						29.6	8.8	3.5	7.3	56.5		
21						29.2	8.4	3.4	8.1	59.2		
22						27.5	7.8	3.3	9.1	60.3		
23						25.9	8.2	3.0	8.8	60.0		
24						23.5	8.4	2.8	8.3	58.7		
25						21.6	8.4	2.8	8.3	55.9		
26						20.9	8.5	2.7	8.5	52.8		
27						19.7	9.0	2.8	9.1	51.3		
28						19.2	8.8	2.9	16.5	50.9		
29						18.9	8.0	2.8	24.9	47.7		
30						18.3	7.5	2.8	29.3	44.7		
31							7.7	2.8		45.1		
Mean							9.5		8.4			
Max.							17.4	8.1	34.0			
Min.							6.6	2.6	2.5			

TABLE 3  
STREAMFLOW  
ALBANY RIVER BASIN  
1971

STATION NUMBER: 43-01-017  
 LOCATION: Brightsand River at Moberley Lake Narrows  
 49° 36'N, 90° 34'W  
 DRAINAGE AREA: 450 sq. miles  
 GAUGE: Pressure Type

DAILY DISCHARGE IN CUBIC FEET PER SECOND												
Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept	Oct.	Nov.	Dec.
1							465	207	128	288	1240	681
2							458	204	125	319	1270	665
3							445	201	132	365	1280	646
4							425	198	154	430	1290	631
5							405	194	199	490	1300	621
6							383	186	231	527	1270	606
7							383	184	251	563	1240	592
8							369	180	260	581	1210	582
9							349	175	272	595	1170	571
10							339	163	274	603	1130	559
11							331	163	274	597	1090	560
12							327	155	277		1060	539
13							318	155	273		1030	516
14							315	152	274		991	512
15							309	151	272		961	
16							299	143	267		935	
17							291	143	260		918	
18							285	158	257		906	
19							277	156	253		894	
20							272	155	244		870	
21							263	153	243		851	
22						622	250	148	241		834	
23						597	247	147	233	834	818	
24						582	245	147	232	835	797	
25						559	236	146	231	829	781	
26						538	226	144	229	817	766	
27						516	227	142	228	860	750	
28						492	221	139	227	990	733	
29						475	220	137	242	1070	713	
30						465	217	134	253	1130	698	
31							213	131		1210		
Mean								161	235		993	
Max.								209	284			
Min.								129	121			

TABLE 4

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STREAMFLOW  
ALBANY RIVER BASIN  
1971

STATION NUMBER: 43-01-013

LOCATION: Kawashkagama River, 2,000 feet upstream from O'Sullivan Lake.  
50° 26'N, 87° 09'W.

DRAINAGE AREA: 765 sq. miles.

GAUGE: Float Type/Pressure Type.

DAILY DISCHARGE IN CUBIC FEET PER SECOND												
Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept	Oct.	Nov.*	Dec.*
1						2380	912	537	317	670	1780	1030
2						2300	883	540	316	762	1790	985
3						2200	847	546	315	940	1800	963
4						2070	821	540	314	1130	1800	940
5						1950	797	533	320	1300	1800	921
6						1890	772	524	316	1450	1800	910
7						1820	747	514	319	1560	1810	899
8						1740	722	505	320	1630	1870	901
9						1670	699	500	312	1670	1660	939
10						1600	675	486	329	1670	1630	985
11						1540	656	474	349	1670	1600	863
12						1490	634	459	351	1630	1560	877
13					1930	1430	636	439	354	1570	1520	906
14					1870	1370	624	431	364	1510	1480	905
15					1840	1320	615	416	365	1470	1440	900
16					1790	1270	619	407	367	1410	1400	885
17					1780	1230	602	399	377	1380	1370	847
18					1820	1200	578	389	388	1400	1350	829
19					1840	1170	568	391	388	1450	1330	807
20					1900	1170	554	381	394	1490	1330	764
21					1950	1140	553	374	404	1550	1270	741
22					1960	1110	546	364	411	1610	1370	733
23					1990	1100	539	357	422	1640	1160	739
24					2040	1070	523	346	432	1650	1140	726
25					2200	1040	513	340	429	1650	1120	726
26					2310	1000	519	336	428	1640	1100	726
27					2410	981	501	331	432	1650	1090	744
28					2430	977	514	325	461	1750	1070	756
29					2430	951	534	320	521	1730	1050	748
30					2430	931	536	320	542	1720	1050	769
31					2430		531	318		1750		771
Mean						1440	638	424	379	1487	1450	846
Max.						2430	920	550	600	1800	2070	1120
Min.						920	492	316	309	600	1020	709

\* No ice correction made during the month.

TABLE 5  
STREAMFLOW  
ALBANY RIVER BASIN  
1971

STATION NUMBER: 43-01-015

LOCATION: Kenogami River below Little Current River  
50° 58' N, 84° 36' W.

DRAINAGE AREA: 17,620 sq. miles

GAUGE: Pressure Type

DAILY DISCHARGE IN CUBIC FEET PER SECOND												
Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1						50600		18100	5180	39400		
2						47800		17500	5120	49400		
3						45000		16900	5080			
4						42300		16600	5190			
5						39500		15900	5870			
6						37500		15000	9060			
7						36600		13600	15700			
8						36100		12300	19000			
9								11200	19800			
10								10500	19800			
11								10100	19800			
12								10000	21400			
13								10200	23000			
14								10200	92900			
15								10100	21800			
16								9780	20700			
17								9300	19600			
18								8800	18600			
19							11600	8340	17800			
20							11600	7980	17100			
21							11500	7750	15900			
22							11500	7510	15200			
23					62800		11500	7240	14700			
24					59400		11700		14700			
25					56600		11600		15000			
26					58400		11400		15400			
27					62200		11500		15200			
28					61700		12400		15200			
29					59000		14300		19100			
30					56100		16300		29300			
31					53400		17800	5300				
Mean									16100			
Max.									29300			
Min.									5080			



TABLE 6

STREAMFLOW  
ALBANY RIVER BASIN  
1971

STATION NUMBER: 43-01-018  
 LOCATION: Muswabik River at outlet of Lorenz Lake  
                   51° 32' N, 85° 05' W  
 DRAINAGE AREA: 730 sq. miles  
 GAUGE: Pressure Type

DAILY DISCHARGE IN CUBIC FEET PER SECOND												
Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1						1800	261	955	330			
2						1640	229	1120	336			
3						1590	210	1190	347			
4						1360	186	1210	353	1150		
5						1200	176	1240	344	1580		
6						1180	176	1240	338	2040		
7						1130	178	1200	354	2300		
8						1020	181	1150	390	2460		
9						922	183	1130	340	2530		
10						838	185	1220	338	2510		
11						757	187	1130	377	2560		
12						750	190	1080	297	2400		
13						696	192	994	315	2230		
14						644	197	958	298	2120		
15						592	214	856	331	2060		
16						544	234	864	338	1920		
17						512	253	812	339	1740		
18						515	247	749	337	1710		
19						490	212	750	301	1570		
20						468	200	702	338	1660		
21						419	204	676	342			
22						416	222	643	304			
23					3440	362	235	557	330			
24					3320	370	222	496	336			
25					3230	359	229	477				
26					2980	307	363	452				
27					2740	260	321	417				
28					2540	281	378	409				
29					2390	267	528	417				
30					2270	266	639	424				
31					1980		731	379				
Mean						732	263					
Max.						1910	886	1660				
Min.						212	156	358				

TABLE 7

STREAMFLOW  
ALBANY RIVER BASIN  
1971

STATION NUMBER: 43-01-020

LOCATION: Opichuan River at Kellow Lake Narrows  
51°10'N, 87°46'W

DRAINAGE AREA: 440 sq. miles

GAUGE: Pressure Type

## DAILY DISCHARGE IN CUBIC FEET PER SECOND

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1							415	561	263	270	706	
2							406	568	258	306	701	
3							403	579	253	345	706	
4							402	579	256	396	703	
5							387	583	260	427	705	
6							362	582	261	450	712	
7							357	577	260	473	699	
8							350	568	258	501	678	
9							343	556	253	533	668	
10						812	336	537	248	560	657	
11						782	330	510	244	576	640	
12						756	323	493	240	585	624	
13						724	317	478	237	586	610	
14						694	312	459	234	590	594	
15						662	306	440	234	583	580	
16						633	300	423	232	578	567	
17						621	295	410	230	581	554	
18						634	289	397	227	585	561	
19						613	301	381	224	610	559	
20						597	309	366	210	620	548	
21						573	315	351	197	622	538	
22						549	316	335	196	620	526	
23						522	310	321	194	615	506	
24						491	302	310	193	612	493	
25						476	309	301	193	604	492	
26						458	310	289	192	597	488	
27						461	304	277	192	626	479	
28						456	326	271	196	677	473	
29						435	432	284	215	681	462	
30						431	520	280	221	681	452	
31								270		702		
Mean							350	430	229	555	589	
Max.							558	586	266	711	717	
Min.							287	266	192	234	450	

TABLE 8

**STREAMFLOW  
ALBANY RIVER BASIN  
1971**

STATION NUMBER: 43-01-021

LOCATION: Pashkokagan River 1.5 miles downstream from Pashkokagan Lake  
51° 02' N, 90° 12' W

DRAINAGE AREA: 875 sq. miles

GAUGE: Pressure Type

DAILY DISCHARGE IN CUBIC FEET PER SECOND												
Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1						1560	1410	1030	664	539	1150	
2						1600	1410	1020	666	533	1180	
3						1590	1420	1010	646	558	1220	
4						1560	1410	1000	635	593	1280	
5						1530	1420	1000	646	588	1390	
6						1530	1350	979	664	599	1440	
7						1520	1310	973	667	605	1450	
8						1520	1370	968	657	606	1480	
9						1570	1320	953	640	631	1520	
10						1550	1240	928	626	655	1560	
11						1540	1230	906	613	658	1610	
12						1540	1240	893	624	655		
13						1550	1240	873	604	669		
14						1550	1240	856	621	693		
15						1540	1210	875	586	690		
16						1530	1160	844	565	681		
17						1520	1140	818	557	695		
18						1500	1120	826	568	717		
19						1500	1090	812	562	827		
20						1480	1090	805	528	793		
21						1500	1100	783	510	799		
22						1530	1090	752	501	808		
23						1520	1060	740	487	827		
24						1490	1050	732	483	844		
25						1470	1050	728	462	858		
26						1450	1030	725	467	870		
27						1460	1020	719	481	921		
28						1480	1020	713	489	1060		
29						1450	1050	701	539	1020		
30						1410	1060	690	514	1020		
31							1050	677		1240		
Mean						1520	1190	849	576	750		
Max.						1640	1620	1050	686	1440		
Min.						1380	945	662	436	508		

TABLE 9  
STREAMFLOW  
SEVERN RIVER BASIN  
1971

STATION NUMBER: 47-04-003  
 LOCATION: Flanagan River at Northwind Lake Dam  
 52°49'N, 93° 27' West  
 DRAINAGE AREA: 1063 sq. miles  
 GAUGE: Pressure Bulb Type

DAILY DISCHARGE IN CUBIC FEET PER SECOND												
Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1							1140	942	755	528	500	
2							1140	942	755	528	500	
3							1140	964	755	528	487	
4							1160	964	755	514	500	
5							1190	964	755	514	514	
6							1210	964	738	514	487	
7							1260	942	721	500	500	
8							1210	964	705	500	514	
9							1190	922	705	487	514	
10							1190	922	689	487	514	
11						1640	1190	902	689	487	514	
12						1610	1190	902	674	487	514	
13						1580	1160	882	674	487	514	
14						1560	1140	902	658	487	514	
15						1540	1120	882	628	487	514	
16						1510	1180	882	613	474	514	
17						1510	1050	863	598	487	500	
18						1480	1050	863	598	500	500	
19						1440	1010	863	569	500		
20						1410	1010	844	569	500		
21						1390	985	844	555	487		
22						1340	964	844	541	487		
23						1320	942	826	541	500		
24						1300	922	826	541	514		
25						1280	922	808	541	514		
26						1260	942	808	541	514		
27						1230	942	790	528	487		
28						1210	942	790	528	460		
29						1190	942	772	528	460		
30						1160	964	755	528	487		
31							942	755		487		
Mean							1080	874	633	497		
Max.							1260	964	755	528		
Min.							942	755	528	460		

TABLE 10  
STREAMFLOW  
SEVERN RIVER BASIN  
1971

STATION NUMBER: 47-01-009  
 LOCATION: Schade River one mile downstream from Misiwaweya Lake  
 53°33'N, 91°09'W  
 DRAINAGE AREA: 1,170 sq. miles  
 GAUGE: Pressure Bulb Type

DAILY DISCHARGE IN CUBIC FEET PER SECOND												
Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1							1110	947	536	585	1680	1560
2							1110	947	536	585	1720	1640
3							1140	947	489	636	1600	1740
4							1180	1010	443	610	2030	1990
5							1180	1010	443	662	1810	1440
6							1140	1010	466	712	1680	1760
7							1140	1010	443	772	1760	
8							1140	977	443	800	1280	
9							1180	977	420	829	1520	
10							1250	917	397	858	1360	
11							1250	887	374	887	1610	
12							1280	887	397	977	1440	
13							1360	887	397	1010	1210	
14							1320	858	420	1040	1600	
15							1320	858	466	1070	1990	
16							1250	858	466	1110	1850	
17							1210	829	466	1140	1680	
18							1210	857	489	1180	1680	
19							1180	829	489	1280	1680	
20							1140	800	489	1280	1520	
21							1140	772	512	1280	1210	
22							1110	744	512	1280	1140	
23						1210	1070	716	512	1320	1810	
24						1180	1040	716	512	1320	1850	
25						1180	1040	716	512	1360	1600	
26						1210	1010	689	512	1360	1680	
27						1210	1010	662	560	1360	1680	
28						1250	977	610	585	1360	1520	
29						1180	977	585	585	1400	1140	
30						1140	977	560	585	1400	1140	
31							947	536		1600	1440	
Mean							1180	826	482	1070	1580	
Max.							1360	1010	585	1600	2030	
Min.							947	536	374	585	1140	

TABLE 11  
SNOW COURSE DATA  
70-71

EQUIPMENT: Mount Rose Snow Sampler, 10 point snow course

Basin	Albany		Albany		Attawapiskat		Attawapiskat		Winisk	
Station Number	43-44-001		43-04-002		44-04-001		44-04-002		46-04-001	
Station Location	Nakina		Ogoki		Attawapiskat		Pickle Lake		Winisk	
Elevation	1000		550		20		1450		20	
Latitude N	50°12'		51°08'		52°56'		51°27'		55°16'	
Longitude W	86°42'		85°58'		82°25'		90°12'		85°12'	
Date	Snow Depth (in.)	Water Equiv. (in.)	Snow Depth (in.)	Water Equiv. (in.)	Snow Depth (in.)	Water Equiv. (in.)	Snow Depth (in.)	Water Equiv. (in.)	Snow Depth (in.)	Water Equiv. (in.)
November 15/70	2.51				5.75	0.62			11.85	1.20
November 30/70										
December 1/70	13.44	0.59			14.65	2.30				
December 15/70					21.00	2.32				
December 16/70	18.67	1.84								
December 30/70							18.7	3.05		
January 1/71					30.60	3.28				
January 2/71	20.75	3.84								
January 15/71	22.55	4.19			32.15	3.30	20.40	3.45		
February 1/71					33.90	3.10	21.60	3.70		
February 6/71	30.65	5.30								
February 15/71					36.35	2.78	27.30	4.75		
February 17/71	29.40	5.59								
March 1/71	27.40	4.69	36.10	4.90	35.75	3.02				
March 3/71							35.30	6.55		
March 15/71	28.20	5.68	35.50	8.35	36.50	3.28				
March 17/71							30.90	7.50		

TABLE 11 (Cont.)  
SNOW COURSE DATA  
70-71

EQUIPMENT: Mount Rose Snow Sampler, 10 point snow course

Basin	Albany		Albany		Attawapiskat		Attawapiskat		Winisk	
Station Number	43-44-001		43-04-002		44-04-001		44-04-002		46-04-001	
Station Location	Nakina		Ogoki		Attawapiskat		Pickle Lake		Winisk	
Elevation	1000		550		20		1450		20	
Latitude	50°12'		51°08'		52°56'		51°27'		55°16'	
Longitude W	86°42'		85°58'		82°25'		90°12'		85°12'	
Date	Snow Depth (in.)	Water Equiv. (in.)	Snow Depth (in.)	Water Equiv. (in.)	Snow Depth (in.)	Water Equiv. (in.)	Snow Depth (in.)	Water Equiv. (in.)	Snow Depth (in.)	Water Equiv. (in.)
April 1/71			46.70	9.40	36.40	3.38				
April 2/71	32.25	6.66								
April 5/71							46.50	9.40		
April 15/71	14.75	3.15	36.10	6.20	16.60	6.20				
April 17/71							23.7	7.0		
April 30/71										
May 1/71	1.95	0.31	14.20	4.20	2.40	0.90				

TABLE 12

OBSERVATION WELL LOGS  
ATTAWAPISKAT RIVER BASIN

18

L O C A T I O N			Well No.	Depth Below Surface (feet)	D E S C R I P T I O N
Latitude North	Longitude West	Field Location			
51°27'	90°13'	Pickle Lake	44-05 002-1	0-4 4-8 8-9 9-10 10-12 12-20 20-23 23-26	Medium brown sand. Medium grey sand. Medium grey sand, and gravel. Medium grey sand. Medium to coarse grey sand. Coarse grey sand, and gravel, silt. Coarse to medium grey sand and fine gravel. Fine grey sand.
51°27'	90°13'	Pickle Lake	44-05 002-2	0-4 4-8 8-9 9-12 12-20 20-23 23-29 29-37 37-41	Medium brown sand. Medium grey sand. Medium grey sand, fine gravel. Medium to coarse grey sand. Coarse grey sand, fine gravel, silt. Coarse to medium grey sand, fine gravel. Fine grey sand, silt. Fine to coarse grey sand, pebbles and gravel. Brown silt, coarse sand, gravel, bedrock.



TABLE 13  
OBSERVATION WELL LOGS  
ATTAWAPISKAT RIVER BASIN

L O C A T I O N			Well No.	Depth Below Surface (feet)	D E S C R I P T I O N
Latitude North	Longitude West	Field Location			
51°27'	90°13'	Pickle Lake	44-05 003	0-2 2-5 5-10 10-12 12-30 30-35 35-37 37-40	Medium brown sand, fine gravel. Medium grey sand, fine gravel. Medium grey sand. Coarse grey sand. Medium and coarse grey sand. Medium to coarse grey sand. Medium to fine grey sand. Pine grey sand.
51°27'	90°13'	Pickle Lake On road to Airport	44-05 004	0-2 2-10 10-14 14-19 19-25 25-34 34-40	Medium to fine brown sand. Coarse grey sand, fine gravel. Coarse to medium grey sand, fine gravel. Coarse to medium grey sand. Medium to very coarse grey sand, fine gravel Coarse grey sand, fine gravel. Coarse grey sand, gravel.

TABLE 14

## OBSERVATION WELL LOGS

## ATTAWAPISKAT RIVER BASIN

L O C A T I O N			Well No.	Depth Below Surface (feet)	D E S C R I P T I O N
Latitude North	Longitude West	Field Location			
51°27'	90°13'	Pickle Lake	44-05 005	0-3 3-4 4-9 9-24 24-29 29-39 39-44 44-49 49-54 54-59 59-64 64-69	Fine to medium brown sand. Medium grey sand. Medium to coarse grey sand, gravel. Coarse grey sand, gravel, boulders. Coarse grey sand, gravel, small boulders. Coarse grey sand, gravel boulders. Coarse very loose grey gravel, boulders. Very coarse grey sand, gravel, boulders. Coarse grey sand, fine gravel Coarse grey gravel, sand, boulders. Coarse grey sand, gravel, broken boulders. Medium grey sand, fine gravel, silt.

TABLE 15  
OBSERVATION WELL LOGS  
ATTAWAPISKAT RIVER BASIN

L O C A T I O N			Well No.	Depth Below Surface (feet)	D E S C R I P T I O N
Latitude North	Longitude West	Field Location			
51°29'	90°11'	Central Patricia	44-05 006-1	0-3 3-15 15-20 20-35 35-40 40-45 45-48 48-50 50-52	Fine brown sand. Fine to medium grey sand, Pyrite. Fine to medium grey sand. Fine to medium grey sand, Pyrite. Fine to coarse grey sand. Fine to medium grey sand, silt. Fine to medium grey sand. Medium to coarse grey sand, gravel. Coarse grey sand, gravel.
51°29'	90°11'	Central Patricia	44-05 006-2	0-14	As above
51°29'	90°11'	Central Patricia	44-05 007-1	0-3 3-20	Fine brown sand, silt. Fine to medium grey sand, silt.
51°29'	90°11'	Central Patricia	44-05 007-2	0-9.8	As above.

TABLE 16

## OBSERVATION WELL LOGS

## ATTAWAPISKAT RIVER BASIN

L O C A T I O N			Well No.	Depth Below Surface (feet)	D E S C R I P T I O N
Latitude North	Longitude West	Field Location			
51°29'	90°12'	Central Patricia	44-05 008-1	0-1 1-7 7-10 10-11 11-15 15-19 19-29 29-32 32-36 36-40	Fine brown sand. Fine grey sand. Fine to medium grey sand. Fine grey sand. Fine to medium grey sand. Fine grey sand. Fine to medium grey sand, silt, Pyrite Fine to medium grey sand, silt. Fine to coarse grey sand, gravel. Coarse grey sand, gravel.
51°29'	90°12'	Central Patricia	44-05 008-2	0-36	As above

TABLE 17

## OBSERVATION WELL LOGS

## ATTAWAPISKAT RIVER BASIN

L O C A T I O N			Well No.	Depth Below Surface (feet)	D E S C R I P T I O N
Latitude North	Longitude West	Field Location			
51°28'	90°13'	Pickle Lake (Lands and Forests)	44-05 009	0-3 3-5 5-8 8-12 12-18 18-22 22-28 28-30	Fine white sand, organic material. Medium, grey sand. Medium very dry, grey sand. Fine grey sand, pebbles. Fine to medium whitish sand. Fine to medium grey sand. Medium to coarse grey sand. Coarse grey sand, bedrock.
51°28'	90°13'	Pickle Lake (On road to Airport)	44-05 010	0-1 1-5 5-11 11-17 17-20 20-36 36-38 38-41 41-52 52-53	Medium brown sand, organic material. Medium grey sand, pebbles. Medium to coarse grey sand. Coarse to medium grey sand, silt, Pyrite. Coarse to medium grey sand, gravel silt. Coarse grey sand, gravel, large pebbles. Medium to fine grey sand. Coarse grey sand, Pyrite. Coarse to medium grey sand, silt, fine gravel. Medium to coarse grey sand, silt, broken pebbles, bedrock.

TABLE 18

## OBSERVATION WELL LOGS

## ATTAWAPISKAT RIVER BASIN

L O C A T I O N			Well No.	Depth Below Surface (feet)	D E S C R I P T I O N
Latitude North	Longitude West	Field Location			
51° 27'	90° 14'	Central Patricia Behind Central Patricia Hotel	44-05 011	8.0	0-3 Ft. Top soil, peat. 3-5 Ft. Fine to coarse sand and some silt.

TABLE 19  
OBSERVATION WELL DATA  
ALBANY RIVER BASIN  
1971

Observation Well No:	43-05-001-1R (6100599) *
Location:	Anaconda Road at Kowkash Road 50°20'N; 87°05'W
Elevation:	1090 feet.
Type:	Rotary, 2" I. D. casing.
Aquifer or Geological Material:	Silt and Clay
Depth:	60 Feet
Recording Commenced:	June 20th, 1969
Measuring Point:	Top of casing, 2.92 Feet above Ground Surface.
	* Water Well Log No.

Average Daily Water Level From Ground Surface in Feet.

Day	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec
1	26.72	27.26	27.64			26.66	26.35	26.95	27.45	27.68		
2	26.73	27.31				26.63	26.37	26.98	27.44	27.71		
3	26.78	27.33				26.63	26.37	27.07	27.46	27.67		
4	26.79	27.33				26.65	26.36	27.10	27.48	27.63		
5	26.79	27.29				26.58	26.37	27.09	27.48	27.65		
6	26.82	27.29				26.51	26.40	27.10	27.49	27.67		
7	26.85	27.34				26.51	26.45	27.10	27.50	27.66		
8	26.86	27.37				26.51	26.45	27.13	27.54	27.64		
9	26.86	27.39				26.50	26.47	27.16	27.58	27.62		
10	26.86	27.39				26.47	26.50	27.15	27.56	27.59		
11	26.89	27.40				26.45	26.53	27.20	27.56	27.56		
12	26.92	27.44				26.43	26.53	27.23	27.58	27.56		
13		27.47				26.41	26.48	27.26	27.60	27.54		
14		27.46			27.15	26.41	26.51	27.26	27.60	27.49		
15		27.48			27.10	26.41	26.53	27.26	27.64	27.51		
16	27.09	27.50			27.08	26.39	26.56	27.27	27.69	27.54		
17	27.07	27.49			27.04	26.36	26.60	27.28	27.71	27.48		
18	27.03	27.52			26.99	26.34	26.63	27.28	27.71			
19	27.03	27.53			26.98	26.35	26.65	27.31	27.67			
20	27.02	27.54			26.93	26.32	26.68	27.33	27.69			
21	27.03	27.55			26.93	26.35	26.67	27.36	27.71			
22	27.06	27.56			26.93	26.33	26.71	27.39	27.72			
23	27.10	27.56			26.91	26.31	26.75	27.42	27.72			
24	27.13	27.56			26.85	26.33	26.80	27.43	27.76			
25	27.16	27.57			26.79	26.33	26.80	27.43	27.78			
26	27.17	27.57			26.80	26.35	26.83	27.46	27.79			
27	27.18	27.57			26.80	26.33	26.88	27.47	27.79			
28	27.18	27.60			26.76	26.31	26.86	27.47	27.76			
29	27.18				26.72	26.34	26.86	27.47	27.69			
30	27.19				26.74	26.34	26.90	27.48	27.74			
31	27.21				26.71		26.91	27.45				

OBSERVATION WELL DATA  
ALBANY RIVER BASIN  
1971

TABLE 20

Observation Well No: 43-05-002-1 (6100609)  
 Location: Anaconda Road near O'Sullivan Lake  
 50°25'N; 87°08'W  
 Elevation: 980 Feet  
 Type: Rotary, 2" ID casing.  
 Aquifer or Geological Material: Fine sand and gravel  
 Depth: 42 Feet  
 Recording Commenced: June 20, 1969  
 Measuring Point: Top of casing, 2.83 feet above ground surface.

Distance to Water Level from Ground Surface in Feet

Date		Feet	Date		Feet
Jan.	5	7.94	July	25	8.05
Feb.	7	8.17	Aug.	21	8.20
Apr.	4	8.20	Sept.	19	8.23
May	2	8.18	Oct.	18	8.05
May	30	7.93	Nov.	14	8.05
June	27	7.96	Dec.	12	8.17

TABLE 21

Observation Well No: 43-05-002-2 (6100609)  
 Location: Anaconda Road near O'Sullivan Lake  
 50°25'N; 87°08'W  
 Elevation: 980 Feet  
 Type: Rotary, 2" ID casing.  
 Aquifer or Geological Material: Fine sand and gravel  
 Depth: 33 Feet  
 Recording Commenced: June 20, 1969  
 Measuring Point: Top of casing.

Distance to Water Level below Top of Casing in Feet.

Date		Feet	Date		Feet
Jan.	5	10.16	Jul.	25	10.06
Feb.	7	10.99	Aug.	21	10.38
Apr.	4	10.70	Sept.	19	10.16
May	2	10.40	Oct.	18	10.30
May	30	10.16	Nov.	14	10.13
Jun	27	10.16	Dec.	12	10.33



TABLE 22  
OBSERVATION WELL DATA  
ALBANY RIVER BASIN  
1971

Observation Well No: 43-05-003 R (1601461)  
 Location: 18 Miles North of Calstock  
 50°04'N; 84°08'W  
 Elevation: No Bench Mark  
 Type: Rotary, 2" I. D. casing.  
 Aquifer or Geological Material: Sand and Gravel  
 Depth: 120 Feet  
 Recording Commenced: June 19th, 1969  
 Measuring Point: Top of Casing 3.00 Feet above Ground Surface

Average Daily Water Level From Ground Surface in Feet

Day	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec
1	80.53	80.75	80.94	81.11	80.83	80.30	80.82	80.28	80.56	80.49	80.20	80.47
2	80.54	80.76	80.94	81.11	80.81	80.30	80.84	80.29	80.56	80.46	80.20	80.47
3	80.56	80.78	80.93	81.12	80.78	80.31	80.86	80.30	80.56	80.43	80.19	80.47
4	80.56	80.78	80.94	81.13	80.74	80.33	80.88	80.31	80.55	80.40	80.20	80.49
5	80.57	80.77	80.95	81.14	80.72	80.34	80.85	80.33	80.55	80.36	80.20	80.50
6	80.58	80.80	80.95	81.16	80.68	80.35	80.81	80.34	80.53	80.32	80.21	80.50
7	80.58	80.80	80.95	81.17	80.65	80.38	80.78	80.34	80.53	80.29	80.23	80.50
8	80.60	80.80	80.96	81.18	80.61	80.40	80.73	80.36	80.53	80.26	80.24	80.48
9	80.60	80.80	80.97	81.19	80.57	80.42	80.70	80.35	80.53	80.25	80.25	80.46
10	80.62	80.82	80.97	81.20	80.54	80.44	80.67	80.35	80.53	80.24	80.28	80.44
11	80.63	80.82	80.98	81.21	80.49	80.46	80.63	80.35	80.53	80.22	80.28	80.43
12	80.63	80.82	80.99	81.21	80.48	80.48	80.59	80.35	80.53	80.21	80.29	80.43
13	80.64	80.82	81.00	81.20	80.47	80.50	80.54	80.36	80.52	80.20	80.30	80.43
14	80.65	80.83	81.00	81.19	80.46	80.51	80.50	80.37	80.52	80.19	80.30	80.42
15	80.67	80.85	81.00	81.20	80.45	80.53	80.47	80.37	80.51	80.19	80.31	80.41
16	80.67	80.85	81.02	81.19	80.44	80.54	80.43	80.38	80.51	80.20	80.32	80.41
17	80.68	80.85	81.03	81.18	80.43	80.56	80.39	80.39	80.51	80.21	80.32	80.41
18	80.70	80.87	81.02	81.18	80.42	80.59	80.35	80.39	80.53	80.22	80.33	80.40
19	80.71	80.87	81.02	81.15	80.41	80.61	80.30	80.39	80.54	80.23	80.34	80.39
20	80.71	80.88	81.02	81.11	80.40	80.62	80.28	80.40	80.56	80.23	80.35	80.38
21	80.72	80.89	81.02	81.07	80.39	80.65	80.25	80.41	80.56	80.23	80.36	80.39
22	80.74	80.89	81.03	81.01	80.38	80.65	80.23	80.41	80.56	80.23	80.36	80.38
23	80.75	80.89	81.03	80.99	80.37	80.67	80.25	80.43	80.57	80.22	80.37	80.37
24	80.73	80.90	81.07	80.97	80.36	80.68	80.26	80.44	80.57	80.20	80.38	80.37
25	80.73	80.91	81.06	80.95	80.35	80.70	80.26	80.45	80.59	80.19	80.39	80.34
26	80.73	80.91	81.07	80.93	80.34	80.71	80.26	80.46	80.59	80.18	80.40	80.35
27	80.72	80.90	81.08	80.91	80.33	80.74	80.26	80.49	80.60	80.18	80.41	80.33
28	80.73	80.92	81.08	80.89	80.32	80.76	80.26	80.50	80.58	80.19	80.41	80.32
29	80.74		81.09	80.87	80.31	80.78	80.26	80.50	80.55	80.19	80.42	80.34
30	80.74		81.10	80.85	80.30	80.80	80.27	80.51	80.52	80.19	80.45	80.34
31	80.75		81.10		80.30		80.27	80.56		80.19		80.31

TABLE 23  
OBSERVATION WELL DATA  
ALBANY RIVER BASIN  
1971

Observation Well No:	43-05-004R
Location:	Albany River West of Hat Island 51°45'N; 83°55'W
Elevation:	299.9 Feet Above Sea Level
Type:	Rotary, 2-3/8" I.D. casing.
Aquifer or Geological Material:	Limestone
Depth:	150 Feet
Recording Commenced:	August 3rd, 1968
Measuring Point:	Top of Casing, 3 Feet Above Ground Surface

Average Daily Water Level From Ground Surface in Feet

Day	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Nov	Dec
1						8.93	10.90	11.32	12.00	11.53	10.22
2						8.91	11.01	11.26	11.95	11.53	10.20
3						8.98	11.00	11.28	12.13	11.18	10.13
4						9.20	10.93	11.30	12.20	10.83	10.20
5						9.20	10.94	11.23	12.26	10.78	10.18
6						9.07	11.05	11.18	12.17	10.66	10.00
7						9.25	11.21	11.13	12.13	10.56	10.14
8						9.34	11.14	11.09	12.12	10.47	10.37
9						9.39	11.22	11.03	12.12	10.42	10.24
10						9.42	11.36	11.02	12.01	10.24	10.22
11						9.41	11.42	11.10	12.02	10.18	10.29
12						9.45	11.33	11.06	11.97	10.30	10.21
13						9.54	11.23	11.25	11.83	10.28	10.28
14						9.67	11.32	11.36	11.66	10.20	10.36
15						9.79	11.35	11.33	11.75	10.39	10.34
16						9.86	11.42	11.30	11.87	10.61	10.33
17						9.89	11.45	11.38	11.97	10.48	10.40
18						10.00	11.45	11.27	11.96	10.45	10.42
19						10.15	11.47	11.24	11.85	10.36	10.19
20					8.76	10.23	11.51	11.30	11.83	10.50	10.18
21					8.89	10.33	11.39	11.36	11.95	10.46	10.24
22					8.92	10.30	11.45	11.47	12.01	10.43	
23					8.89	10.30	11.48	11.61	11.90	10.43	
24					8.83	10.42	11.51	11.61	11.97	10.42	
25					8.80	10.47	11.33	11.67	12.00	10.38	
26					8.89	10.52	11.38	11.78	12.01	10.22	
27					8.90	10.55	11.45	11.80	11.95	10.12	
28					8.82	10.52	11.36	11.84	11.79	10.14	
29					8.74	10.68	11.31	11.85	11.76	10.50	
30					8.91	10.76	11.42	12.00	11.87	10.47	
31					8.96		11.42	12.03		10.08	

**OBSERVATION WELL DATA  
ALBANY RIVER BASIN  
1971**

TABLE 24

Observation Well No: 43-05-007-1 (6100598)  
 Location: Kowkash Road west of Anaconda Road  
 50°20'N; 87°05'N  
 Elevation: 1090 Feet  
 Type: Rotary, 1½" ID casing.  
 Aquifer or Geological Material: Sand, silt.  
 Depth: 65 Feet  
 Recording Commenced: June 20, 1969  
 Measuring Point: Top of Casing, 4.90 feet above ground surface.

Distance to Water Level from Ground Surface in Feet

Date		Feet	Date		Feet
Jan.	5	47.34	July	25	47.40
Feb.	7	47.52	Aug.	21	47.85
Apr.	4	47.92	Sept.	19	48.28
May	2	47.67	Oct.	18	48.99
May	30	47.36	Nov.	14	47.70
Jun	27	47.21	Dec.	12	47.90

TABLE 25

Observation Well No: 43-05-008-2 (6100597)  
 Location: Anaconda Road north of Kowkash Road  
 50°20'N; 87°05'N.  
 Elevation: 1000.4 assumed elevation of BM is 1000 feet  
 Type: Rotary, 1½" ID casing.  
 Aquifer or Geological Material: Clay  
 Depth: 67 Feet  
 Recording Commenced: August 18, 1969  
 Measuring Point: Top of casing, 3.70 feet above ground surface.

Distance to Water Level from Ground Surface in Feet

Date		Feet	Date		Feet
Jan.	5	20.39	July	25	25.46
Feb.	7	24.26	Aug.	21	26.32
Apr.	4	26.75	Sept.	19	26.62
May	2	27.15	Oct.	18	26.75
May	30	27.06	Nov.	14	27.69
Jun	27	25.35	Dec.	12	26.76

OBSERVATION WELL DATA  
ALBANY RIVER BASIN  
1971

TABLE 26

Observation Well No: 43-05-009 (1601460)  
 Location: 18 Miles north of Calstock  
 50°04'N; 84°08'N  
 Elevation: 600 Feet  
 Type: Rotary, 1½" ID casing.  
 Aquifer or Geological Material: Gravel  
 Depth: 199 Feet  
 Recording Commenced: June 19, 1969  
 Measuring Point: Top of casing, 3.50 feet above ground surface

Distance to Water Level from Ground Surface in Feet

Date		Feet	Date		Feet
Jan.	2	82.00	Aug.	8	81.97
Feb.	3	82.00	Sept.	3	79.57
Mar.	8	82.20	Oct.	3	81.40
Apr.	4	82.94	Oct.	30	81.55
May	2	82.45	Dec.	5	81.20
June	3	80.15	Dec.	27	81.20
July	4	80.96			

TABLE 27

Observation Well No: 43-05-014-1 (6100799)  
 Location: Hwy 643 (1.5 miles west of Hwy 584)  
 50°10'N; 86°49'W  
 Elevation: 1105 Feet  
 Type: Driven, 2" ID casing.  
 Aquifer or Geological Material: Sand and gravel  
 Depth: 27 Feet  
 Recording Commenced: July 19, 1970  
 Measuring Point: Top of casing, 3.46 feet above ground surface

Distance to Water Level from Ground Surface in Feet

Date		Feet	Date		Feet
Feb.	8	11.56	Aug.	21	10.64
Apr.	5	12.20	Sept.	19	11.49
May	5	12.04	Oct.	19	12.54
May	31	10.53	Nov.	14	12.54
June	27	10.33	Dec.	12	11.14
July	25	10.68			

**OBSERVATION WELL DATA  
ALBANY RIVER BASIN  
1971**

TABLE 28

Observation Well No: 43-05-014-2P (6100798)  
 Location: Hwy 643(1.5 miles west of Hwy 584)  
 50°10'N; 86°49'W  
 Elevation: 1105 Feet  
 Type: Jetted, (Ceramic piezometer)  
 Aquifer or Geological Material: Sand and gravel  
 Depth: 93.5 Feet  
 Recording Commenced: August 11, 1970  
 Measuring Point: Top of casing, 4.90 feet above ground surface.

Distance to Water Level from Ground Surface in Feet

Date		Feet	Date		Feet
Feb.	8	10.15	July	25	8.80
Apr.	5	11.50	Sept.	19	10.23
May	2	10.50	Oct.	19	9.40
May	31	8.30	Nov.	14	9.30
Jun	27	8.17	Dec.	12	8.85

TABLE 29

Observation Well No: 43-05-014-3P (6100802)  
 Location: Hwy 643 (1.5 miles west of Hwy 584)  
 50°10'N; 86°49'W.  
 Elevation: 1105 Feet  
 Type: Jetted, (ceramic piezometer)  
 Aquifer or Geological Material: Sand and gravel  
 Depth: 46 Feet  
 Recording Commenced: August 11, 1970  
 Measuring Point: Top of casing, 4.50 feet above ground surface.

Distance to Water Level from Ground Surface in Feet

Date		Feet	Date		Feet
Feb.	8	15.90	Aug.	21	14.80
Apr.	6	15.40	Aug.	25	14.38
May	2	13.63	Sept.	19	14.65
May	31	13.65	Oct.	19	14.68
Jun	27	14.00	Nov.	14	13.80
July	25	14.35	Dec.	12	14.20

OBSERVATION WELL DATA  
ALBANY RIVER BASIN  
1971

TABLE 30

Observation Well No: 43-05-014-4 (6100796)  
 Location: Hwy 643 (1.5 miles west of Hwy 584)  
 50°10'N; 86°49'W  
 Elevation: 1105 Feet  
 Type: Jetted, 2" ID casing  
 Aquifer or Geological Material: Sand and gravel  
 Depth: 93.5 Feet  
 Recording Commenced: December 15, 1970  
 Measuring Point: Top of casing, 3.50 feet above ground surface.

Distance to Water Level from Ground Surface in Feet

Date		Feet	Date		Feet
Feb.	8	22.52	Aug.	21	19.11
Apr.	5	21.56	Sept.	19	19.37
May	2	20.65	Oct.	19	19.95
May	31	19.90	Nov.	14	19.42
Jun	27	18.58	Dec.	12	19.46
July	25	18.87			

TABLE 31

Observation Well No: 43-05-015-2P (6100794)  
 Location: Fleming Lake Road west of Hwy. 643  
 50°10'N; 86°50'W  
 Elevation: 1105 Feet  
 Type: Jetted, (ceramic piezometer)  
 Aquifer or Geological Material: Sand  
 Depth: 95 Feet  
 Recording Commenced: September 30, 1970  
 Measuring Point: Top of casing.

Distance to Water Level below Top of Casing in Feet

Date		Feet	Date		Feet
May	2	28.40	Aug.	21	28.40
May	31	25.40	Sept.	19	28.41
Jun	27	27.30	Oct.	19	27.25
July	25	27.44	Nov.	14	27.15

TABLE 32  
OBSERVATION WELL DATA  
ALBANY RIVER BASIN  
1971

Observation Well No:	43-05-015-1R
Location:	Fleming Lake Road west of Hwy. 643 50°10'N; 86° 50'W.
Elevation:	1099.55 Above Mean Sea Level
Type:	Jetted, (Ceramic piezometer)
Aquifer or Geological Material:	Silty Sand
Depth:	46 Feet
Recording Commenced:	July 15, 1970
Measuring Point:	Top of casing, 2.88 feet above ground surface

Average Daily Water Level from Ground Surface in Feet

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug	Sep	Oct	Nov	Dec
1						3.84	4.26	4.72				
2						3.88	4.30	4.73				
3						3.92	4.34					
4						3.97	4.36					
5						3.98	4.37					
6						3.99	4.40					
7						4.00	4.42					
8					3.79	4.00	4.43					
9					3.80	4.00	4.45					
10					3.82	4.01	4.46					
11					3.84	4.01	4.47					
12					3.85	4.01	4.48					
13					3.87	4.03	4.49					
14					3.89	4.06	4.50					
15					3.93	4.09	4.52					
16					3.95	4.13	4.51					
17					3.91	4.13	4.54					
18					3.71	4.00	4.59					
19					3.71	4.01	4.65					
20					3.70	3.99	4.68					
21					3.69	3.98	4.69					
22					3.69	3.99	4.71					
23					3.67	4.02	4.72					
24					3.61	4.07	4.73					
25					3.33	4.11	4.73					
26					3.39	4.15	4.73					
27					3.52	4.17	4.73					
28					3.61	4.19	4.72					
29					3.67	4.23	4.71					
30					3.74	4.24	4.70					
31					3.78		4.71					

OBSERVATION WELL DATA  
ALBANY RIVER BASIN  
1971

TABLE 33

Observation Well No: 43-05-015-3P (6100793)  
 Location: Fleming Lake Road west of Hwy. 643  
 50°10'N; 86°50'W  
 Elevation: 1105 Feet  
 Type: Jetted (ceramic piezometer)  
 Aquifer or Geological Material: Silty sand  
 Depth: 45 Feet  
 Recording Commenced: July 15, 1970  
 Measuring point: Top of casing, 2.88 feet above ground surface.

Distance to Water Level from Ground Surface in Feet

Date		Feet	Date		Feet
Apr.	5	3.05	Aug.	21	4.42
May	2	0.82	Sept.	19	4.06
May	31	0.87	Oct.	19	3.14
Jun	27	3.42	Nov.	14	3.24
July	25	3.42	Dec.	12	3.12

TABLE 34

Observation Well No: 43-05-016-1 (6100800)  
 Location: Hwy 643 (2½ miles west of Hwy 584)  
 50°10'N; 86°51'W  
 Elevation: 1105 Feet  
 Type: Driven, 2" ID casing  
 Aquifer or Geological Material: Sand and gravel  
 Depth: 27 Feet  
 Recording Commenced: July 15, 1970  
 Measuring Point: Top of casing, 341 feet above ground surface.

Distance to Water Level from Ground Surface in Feet

Date		Feet	Date		Feet
Jan.	5	9.74	Jul.	25	8.79
Feb.	8	9.17	Aug.	21	8.75
Apr.	4	9.74	Sept.	19	7.17
May	2	10.06	Oct.	19	8.91
Jun	1	7.63	Nov.	14	8.47
Jun	27	7.92	Dec.	12	8.59



TABLE 35  
OBSERVATION WELL DATA  
ALBANY RIVER BASIN  
1971

Observation Well No:	43-05-016-2R (6100803)
Location:	Hwy. 643 ( $2\frac{1}{4}$ Miles West of Hwy. 584) 50°10'N; 86°51'W
Elevation:	1105 Feet
Type:	Jetted, 2" I. D. casing.
Aquifer or Geological Material:	Sand and Gravel
Depth:	68.3 Feet
Recording Commenced:	July 15th, 1970
Measuring Point:	Top of Casing 3.41 Feet above Ground Surface

Average Daily Water Level From Ground Surface in Feet

Day	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec
1						34.07	33.77	33.92	34.24	34.44	33.91	33.95
2						34.04	33.79	33.91	34.23	34.44	33.92	33.96
3						34.01	33.81	33.91	34.23	34.43	33.93	33.97
4						33.98	33.80	33.91	34.23	34.40	33.93	33.97
5						33.97	33.79	33.92	34.24	34.39	33.93	33.98
6						33.92	33.80	33.94	34.24	34.38	33.92	33.98
7						33.90	33.81	33.94	34.24	34.38	33.92	33.98
8					34.57	33.89	33.83	33.96	34.24	34.37	33.92	33.98
9					34.55	33.88	33.84	33.96	34.24	34.35	33.92	33.98
10					34.54	33.86	33.85	33.96	34.25	34.33	33.91	33.98
11					34.51	33.86	33.86	33.96	34.25	34.31	33.91	33.97
12					34.49	33.84	33.86	33.99	34.25	34.30	33.91	
13					34.47	33.83	33.85	34.02	34.25	34.29	33.90	
14					34.45	33.82	33.85	34.04	34.25	34.27	33.92	
15					34.44	33.82	33.85	34.07	34.26	34.26	33.94	
16					34.42	33.82	33.85	34.10	34.26	34.27	33.94	
17					34.40	33.81	33.86	34.11	34.26	34.27	33.94	
18					34.38	33.79	33.87	34.12	34.26	34.25	33.92	
19					34.38	33.78	33.88	34.14	34.26	34.21	33.91	
20					34.36	33.78	33.89	34.15	34.26	34.19	33.90	
21					34.34	33.77	33.89	34.17	34.27	34.19	33.91	
22					34.33	33.77	33.90	34.17	34.27	34.18	33.92	
23					34.32	33.77	33.91	34.20	34.27	34.16	33.93	
24					34.29	33.76	33.91	34.21	34.32	34.13	33.94	
25					34.27	33.77	33.91	34.21	34.38	34.12	33.94	
26					34.25	33.77	33.93	34.21	34.44	34.09	33.94	
27					34.24	33.77	33.93	34.21	34.48	34.06	33.94	
28					34.21	33.77	33.93	34.22	34.47	34.04	33.94	
29					34.15	33.77	33.92	34.23	34.46	34.04	33.94	
30					34.12	33.77	33.92	34.24	34.45	34.05	33.95	
31					34.10		33.92	34.25		33.91		

OBSERVATION WELL DATA  
ALBANY RIVER BASIN  
1971

TABLE 36

Observation Well No: 43-05-016-3 P (6100792)  
 Location: Hwy 683 (2.25 miles west of Hwy 584)  
 50°10'N; 86°51'W  
 Elevation: 1105 Feet  
 Type: Jetted (ceramic piezometer)  
 Aquifer or Geological Material: Sand and gravel  
 Depth: 45 Feet  
 Recording Commenced: July 18, 1970  
 Measuring Point: Top of casing

Distance to Water Level below Top of Casing in Feet

Date	Feet	Date	Feet
Jan. 5	12.18	July 25	10.70
Feb. 8	11.99	Aug. 21	11.71
Apr. 4	10.40	Sept. 19	12.00
May 2	9.90	Oct. 19	11.35
Jun 1	8.40	Nov. 14	10.70
Jun 27	10.20	Dec. 12	11.00

TABLE 37

Observation Well No: 43-05-017-1 P (6100790)  
 Location: Cordingley Road at Balkam Creek  
 50°12'N; 86°42'W  
 Elevation: 1105 Feet  
 Type: Jetted (ceramic piezometer)  
 Aquifer or Geological Material: Gravel  
 Depth: 30 Feet  
 Recording Commenced: August 11, 1970  
 Measuring Point: Top of casing, 3.02 feet above ground surface.

Distance to Water Level from Ground Surface in Feet

Date	Feet	Date	Feet
Feb. 6	Frozen	Aug. 21	2.19
Apr. 5	Frozen	Sept. 19	0.18
May 31	Frozen	Oct. 19	+1.39
Jun 27	+0.32	Nov. 14	0.98
July 25	0.64	Dec. 12	Frozen

OBSERVATION WELL DATA  
ALBANY RIVER BASIN  
1971

TABLE 38

Observation Well No: 43-05-017-2P (6100790)  
 Location: Cordingley Road at Balkam Creek  
 50°12'N; 86°42'W  
 Elevation: 1105 Feet  
 Type: Jetted (ceramic piezometer)  
 Aquifer or Geological Material: Silt  
 Depth: 15 Feet  
 Recording Commenced: September 3, 1970  
 Measuring Point: Top of casing, 3.04 feet above ground surface.

Distance to Water Level from Ground Surface in Feet

Date	Feet	Date	Feet
Feb. 6	Frozen	Aug. 21	3.34
Apr. 5	Frozen	Sept. 19	0.36
May 31	+2.72	Oct. 19	+1.04
June 27	+0.04	Nov. 14	Frozen
July 25	0.81	Dec. 12	Frozen

TABLE 39

Observation Well No: 43-05-018 (6100789)  
 Location: North of Nakina  
 50°12'N; 86°40'W  
 Elevation: 1105 Feet  
 Type: Jetted, 2" ID casing.  
 Aquifer or Geological Material: Sand  
 Depth: 50 Feet  
 Recording Commenced: September 3, 1970  
 Measuring Point: Top of casing, 3.04 feet above ground surface.

Distance to Water Level from Ground Surface in Feet

Date	Feet	Date	Feet
Dec. 31	16.34	July 25	16.01
Feb. 6	16.79	Aug. 21	16.53
Apr. 5	Dry	Sept. 19	16.63
May 2	18.62	Oct. 19	16.42
May 31	16.02	Nov. 14	16.36
Jun 27	15.87	Dec. 12	16.86

TABLE 40  
OBSERVATION WELL DATA  
ATTAWAPISKAT RIVER BASIN  
1971

Observation Well No: 44-05-001 R  
 Location: Badesdawa Lake Outlet  
 51°51'N; 89°36'W  
 Elevation: 1130.2 (Based on Inland Waters Branch BM)  
 Type: Rotary, 2-3/8" I. D. casing.  
 Aquifer or Geological Material: Fine and very fine sand with some silt  
 Depth: 86.5 Feet  
 Recording Commenced: August 23rd, 1967  
 Measuring Point: Top of Casing 3.0 Feet above Ground Surface

Average Daily Water Level From Ground Surface in Feet

Day	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec
1	41.68	42.68	43.50	43.95	41.24	38.81	40.51	40.16	41.22	42.84	41.48	
2	41.73	42.72	43.53	43.96	41.17	38.85	40.57	39.99	41.30	42.85	41.51	
3	41.78	42.77	43.55	43.98	41.07	38.90	40.65	39.86	41.38	42.85	41.55	
4	41.81	42.82	43.55	44.00	40.87	38.97	40.70	39.75	41.46	42.84	41.58	
5	41.85	42.85	43.56	44.01	40.64	39.04	40.75	39.65	41.53	42.80	41.61	
6	41.89	42.87	43.58	44.01	40.40	39.10	40.80	39.59	41.60	42.76	41.66	
7	41.93	42.90	43.61	44.02	40.08	39.17	40.86	39.55	41.67	42.73	41.72	
8	41.97	42.94	43.62	44.01	39.77	39.24	40.92	39.54	41.74	42.69	41.77	
9	41.98	42.98	43.64	44.01	39.42	39.31	40.99	39.53	41.80	42.65	41.82	
10	42.02	43.00	43.65	44.03	39.18	39.37	41.07	39.55	41.86	42.60	41.88	
11	42.07	43.04	43.65	44.02	39.03	39.42	41.12	39.57	41.90	42.55	41.95	
12	42.11	43.08	43.65	44.00	38.86	39.47	41.17	39.62	41.95	42.51	42.01	
13	42.14	43.13	43.64	44.00	38.65	39.53	41.21	39.68	41.99	42.48	42.07	
14	42.17	43.15	43.67	43.99	38.57	39.60	41.26	39.75	42.04	42.44	42.14	
15	42.20	43.17	43.70	43.98	38.47	39.66	41.30	39.81	42.08	42.44	42.24	
16	42.23	43.20	43.72	43.97	38.44	39.73	41.37	39.87	42.13	42.44	42.32	
17	42.26	43.21	43.73	43.94	38.44	39.79	41.41	39.94	42.19	42.45	42.39	
18	42.29	43.25	43.74	43.91	38.44	39.83	41.43	40.01	42.25	42.48	42.49	
19	42.32	43.29	43.77	43.85	38.45	39.90	41.46	40.08	42.30	42.48	42.58	
20	42.33	43.32	43.77	43.81	38.47	39.95	41.50	40.16	42.34	42.52	42.67	
21	42.33	43.35	43.80	43.73	38.49	40.01	41.53	40.25	42.39	42.54	42.79	
22	42.34	43.37	43.81	43.46	38.52	40.05	41.57	40.33	42.45	42.55	42.88	
23	42.37	43.38	43.83	43.07	38.55	40.08	41.60	40.42	42.49	42.25	42.97	
24	42.39	43.40	43.86	42.65	38.57	40.11	41.64	40.50	42.55	41.86	43.06	
25	42.44	43.41	43.86	42.30	38.58	40.16	41.65	40.58	42.59	41.80	43.14	
26	42.48	43.42	43.86	42.02	38.60	40.22	42.67	40.67	42.64	41.73	43.22	
27	42.51	43.44	43.86	41.78	38.62	40.27	42.66	40.77	42.69	41.64	43.32	
28	42.56	43.46	43.86	41.57	38.65	40.33	42.62	40.87	42.75	41.65	43.42	
29	42.59		43.91	41.42	38.67	40.38	41.42	40.96	42.79	41.44		
30	42.61		43.93	41.32	38.71	40.45	40.84	41.04	42.83	41.40		
31	42.64		43.94		38.77		40.41	41.14		41.44		

OBSERVATION WELL DATA  
ATTAWAPISKAT RIVER BASIN  
1971

TABLE 41

Observation Well No: 44-05-002-1 (3100578)  
 Location: Pickle Lake  
 51°27'N; 90°13'W  
 Elevation: 1200 Feet  
 Type: Driven, 2" ID casing.  
 Aquifer or Geological Material: Medium sand and fine gravel  
 Depth: 26 Feet  
 Recording Commenced: November 6, 1971  
 Measuring Point: Top of casing, 3.84 feet above ground surface.

Distance to Water Level from Ground Surface in Feet

Date	Feet
Nov. 6	16.00
Dec. 4	16.17

TABLE 42

Observation Well No: 44-05-002-2 (3100577)  
 Location: Pickle Lake  
 51°27'N; 90°13'W  
 Elevation: 1200 Feet  
 Type: Jetted, 2½" I.D. casing.  
 Aquifer or Geological Material: Medium sand, fine gravel  
 Depth: 41 Feet  
 Recording Commenced: November 6, 1971  
 Measuring Point: Top of casing, 3.52 feet above ground surface.

Distance to Water Level from Ground Surface in Feet

Date	Feet
Nov. 6	15.86
Dec. 4	16.00

TABLE 43

Observation Well No: 44-05-003 (3100569)  
 Location: Pickle Lake  
 51°27'N; 90°13'W  
 Elevation: 1200 Feet  
 Type: Jetted, 1½" ID casing.  
 Aquifer or Geological Material: Medium sand, fine gravel  
 Depth: 40.5 Feet  
 Recording Commenced: November 6, 1971  
 Measuring Point: Top of casing, 2.70 feet above ground surface.

Distance to Water Level from Ground Surface in Feet

Date	Feet
Oct. 17	26.92
Nov. 6	25.99
Dec. 4	27.29

OBSERVATION WELL DATA  
ATTAWAPISKAT RIVER BASIN  
1971

TABLE 44

Observation Well No: 44-05-004 (3100570)  
 Location: Pickle Lake (on road to Airport)  
 51°27'N; 90°13'W  
 Elevation: 1200 Feet  
 Type: Jetted, 3" ID. casing.  
 Aquifer or Geological Material: Medium to coarse sand and fine gravel  
 Depth: 40 Feet  
 Recording Commenced: November 6, 1971  
 Measuring Point: Top of casing, 1.30 feet above ground surface.

Distance to Water Level from Ground Surface in Feet

<u>Date</u>		<u>Feet</u>
Nov.	6	29.17
Dec.	4	29.33

TABLE 45

Observation Well No: 44-05-005 (3100571)  
 Location: Pickle Lake  
 51° 27' N; 90° 13'W  
 Elevation: 1200 Feet  
 Type: Jetted, 2" I.D. casing.  
 Aquifer or Geological Material: Course sand and gravel  
 Depth: 69 Feet  
 Recording Commenced: November 6, 1971  
 Measuring Point: Top of Casing, 4.21 feet above ground surface.

Distance to Water Level from Ground Surface in Feet

<u>DATE</u>		<u>FEET</u>
Nov.	6	46.94
Dec.	4	47.00

TABLE 46

Observation Well No: 44-05-006-1 (3100572)  
 Location: Central Patricia  
 51°29'N; 90°11'W  
 Elevation: 1240 Feet  
 Type: Jetted, 1½" ID casing.  
 Aquifer or Geological Material: Fine to medium sand, and gravel  
 Depth: 52 Feet  
 Recording Commenced: November 6, 1971  
 Measuring Point: Top of casing, 3.33 feet above ground surface

Distance to Water Level from Ground Surface in Feet

<u>Date</u>		<u>Feet</u>
Nov.	6	9.79
Dec.	4	9.80

OBSERVATION WELL DATA  
ATTAWAPISKAT RIVER BASIN  
1971

TABLE 47

Observation Well No: 44-05-006-2 (3100572)  
 Location: Central Patricia  
 51°29'N; 90°11'W  
 Elevation: 1240 Feet  
 Type: Jetted, 1½" ID casing.  
 Aquifer or Geological Material: Fine sand  
 Depth: 14 Feet  
 Recording Commenced: November 6, 1971  
 Measuring Point: Top of casing, 3.46 feet above ground surface

Distance to Water Level from Ground Surface in Feet

Date		Feet
Nov.	6	9.75
Dec.	4	9.68

TABLE 48

Observation Well No: 44-05-007-1 (3100573)  
 Location: Central Patricia  
 51°29'N; 90°11'W  
 Elevation: 1260 Feet  
 Type: Jetted, 1½" ID casing.  
 Aquifer or Geological Material: Fine sand and silt  
 Depth: 20 Feet  
 Recording Commenced: November 6, 1971  
 Measuring Point: Top of casing, 3.13 feet from ground surface

Distance to Water Level from Ground Surface in Feet

Date		Feet
Nov.	6	3.86
Dec.	4	4.69

TABLE 49

Observation Well No: 44-05-007-2 (3100573)  
 Location: Central Patricia  
 51° 29' N; 90° 11' W  
 Elevation: 1260 Feet  
 Type: Jetted, 1½" I.D. Casing  
 Aquifer or Geological Material: Fine sand and silt  
 Depth: 9.8 Feet  
 Recording Commenced: November 6, 1971  
 Measuring Point: Top of casing 2.42 feet above ground surface

Distance to Water Level from Ground Surface in Feet

Date		Feet
Nov.	4	3.90
Dec.	6	4.76

OBSERVATION WELL DATA  
ATTAWAPISKAT RIVER BASIN  
1971

TABLE 50

Observation Well No: 44-05-008-1 (3100574)  
 Location: Central Patricia  
 51°29'N; 90°12'W  
 Elevation: 1280 Feet  
 Type: Jetted, 2½" ID casing.  
 Aquifer or Geological Material: Fine sand and gravel  
 Depth: 40 Feet  
 Recording Commenced: November 6, 1971  
 Measuring Point: Top of casing, 4.99 feet from ground surface

Distance to Water Level from Ground Surface in Feet

<u>Date</u>		<u>Feet</u>
Nov.	6	22.47
Dec.	4	22.50

TABLE 51

Observation Well No: 44-05-008-2 (3100574)  
 Location: Central Patricia  
 51°29'N; 90°12'W  
 Elevation: 1280 Feet  
 Type: Jetted, 2½" I D casing. .  
 Aquifer or Geological Material: Fine sand and gravel  
 Depth: 36 Feet  
 Recording Commenced: November 6, 1971  
 Measuring Point: Top of casing, 4.57 feet from ground surface

Distance to Water Level from Ground Surface in Feet

<u>Date</u>		<u>Feet</u>
Nov.	6	22.37
Dec.	4	22.45



OBSERVATION WELL DATA  
ATTAWAPISKAT RIVER BASIN  
1971

43

TABLE 52

Observation Well No: 44-05-009 (3100575)  
Location: Pickle Lake (Lands & Forests)  
57°28'N; 90°13'W  
Elevation: 1200 Feet  
Type: Jetted, 2½" ID casing.  
Aquifer or Geological Material: Fine to medium sand  
Depth: 30 Feet  
Recording Commenced: November 6, 1971  
Measuring Point: Top of casing, 3.61 feet from ground surface

Distance to Water Level from Ground Surface in Feet

Date		Feet
Nov.	6	14.82
Dec.	4	14.86

TABLE 53

Observation Well No: 44-05-010 (3100576)  
Location: Pickle Lake on road to Airport  
51°28'N; 90°13'W  
Elevation: 1200 Feet  
Type: Jetted, 1½" ID casing.  
Aquifer or Geological Material: Medium to coarse sand and gravel  
Depth: 53 Feet  
Recording Commenced: November 6, 1971  
Measuring Point: Top of casing, 2.29 feet from ground surface

Distance to Water Level from Ground Surface in Feet

Date		Feet
Nov.	6	40.22
Dec.	4	41.70

TABLE 54

Observation Well No: 44-05-011  
Location: Central Patricia  
51°27'N; 90°14'W  
Elevation: 1280 Feet  
Type: Dug, 1½" ID casing.  
Aquifer or Geological Material: Sandy and silt  
Depth: 8 Feet  
Recording Commenced: November 6, 1971  
Measuring Point: Top of casing, 3.36 feet from ground surface

Distance to Water Level from Ground Surface in Feet

Date		Feet
Oct.	17	3.72
Nov.	6	3.38
Dec.	4	3.44

TABLE 55  
OBSERVATION WELL DATA  
SEVERN RIVER BASIN  
1971

Observation Well No.	47-05-001 R
Location:	Muskrat Dam Lake
	53° 21'N, 90° 50'W
Elevation:	891.4 Above Sea Level
Type:	Rotary, 2" ID casing.
Aquifer or Geological Material:	Schist
Depth:	134.2 feet
Recording Commenced:	July 31, 1970
Measuring Point:	Top of Casing 3.0 ft. above Ground Surface

Average Daily Water Level From Ground Surface in Feet

Day	Jan	Feb	Mar	Apr	May	Jun	July	Aug	Sept	Oct	Nov	Dec
1	10.33	11.47	12.36	12.82	10.99	9.92	9.20	8.84				
2	10.51	11.49	12.27	12.83	10.83	9.96	9.16	8.92				
3	10.66	11.51	12.16	12.89	10.61	10.19	9.10	8.97				
4	10.60	11.44	12.13	12.94	10.45	10.28	8.98	9.03				
5	10.59	11.36	12.29	12.87	10.42	10.11	8.66	9.03				
6	10.70	11.47	12.39	12.92	10.26	10.06	8.41	9.08				
7	10.67	11.58	12.38	12.85	10.15	10.09	8.13	9.06				
8	10.57	11.62	12.34	12.79	9.93	9.99	8.02	9.13				
9	10.61	11.52	12.33	12.95	9.86	9.91	8.19	9.11				
10	10.79	11.62	12.33	12.78	9.97	9.79	8.30					
11	10.82	11.76	12.32	12.70	9.85	9.83	8.26					
12	10.85	11.85	12.34	12.89	9.62	9.79	8.08					
13	10.81	11.65	12.42	12.89	9.74	9.78	8.27					
14	10.81	11.73	12.49	12.80	9.65	9.58	8.31					
15	11.02	11.83	12.52	12.73	9.72	9.29	8.37					
16	10.94	11.68	12.51	12.71	9.80	9.12	8.55					
17	10.85	11.89	12.52	12.69	9.85	9.06	8.61					
18	11.02	12.12	12.58	12.53	9.89	9.17	8.60					
19	10.97	12.03	12.55	12.16	9.27	9.19	8.68					
20	10.71	12.03	12.56	12.04	8.94	9.26	8.68					
21	10.81	12.00	12.62	11.78	9.08	9.19	8.71					
22	10.87	11.96	12.66	11.51	9.13	9.15	8.86					
23	11.02	11.92	12.66	11.32	9.17	9.12	8.96					
24	11.16	11.99	12.65	11.21	9.27	9.14	8.96					
25	11.21	12.01	12.66	11.22	9.40	9.15	8.86					
26	11.27	12.08	12.65	11.18	9.52	9.11	8.82					
27	11.21	12.09	12.67	11.10	9.65	9.10	8.67					
28	11.13	12.27	12.69	11.06	9.53	9.15	8.67					
29	11.07		12.78	11.06	9.63	9.22	8.70					
30	11.17		12.78	11.05	9.94	9.19	8.62					
31	11.33		12.78		10.28		8.60					

**TABLE 56**  
**CHEMICAL ANALYSES OF WATER SAMPLES**  
**ALBANY RIVER BASIN**

CHEMICAL ANALYSES - ALBANY RIVER BASIN

Source	Latitude North	Longitude West	Date	Temperature (°C)	pH	Constituents in parts per million																Specific Conductance (micromhos at 25°C)	Colour (Hazen Units)	Turbidity (J.T.U.**)
						Silica (SiO <sub>2</sub> )	Iron (Fe)	Calcium (Ca)	Magnesium (Mg)	Sodium (Na)	Potassium (K)	Sulphate (SO <sub>4</sub> )	Chloride (Cl)	Fluoride (F)	Boron (B)	Total Phosphorus (P)	Nitrate as (N)	Total Kjeldahl as (N)	Tannins & Lignins as Tannic acid	Total Alkalinity as CaCO <sub>3</sub>	Total Hardness as CaCO <sub>3</sub>	Total Dissolved Solids		
ALBANY RIVER	51°33'	88°33'	Jun.9	14		1.7	0.15	13	2	0.5		<5	2			0.012	<0.01	0.26	0.5	39		69	30	15
			Aug.4			2.7	0.10	15	3	1		<5	<1			0.016	<0.01	0.33	0.5	47				
			Aug.26	17		2.5	0.15	16	3	1		5	<1			0.020	<0.01	0.28	0.5	48		92		
			Oct.20			2.9	0.15	18	3	<1		10	1			0.060	<0.01	0.37	0.5	52			60	2
BALKAM CREEK	50°10'	86°40'	Jun.12	20		4.1	0.10	30	6	0.8		<5	1			0.018	<0.01	0.32	1	94		180	20	10
			Jul.16			5.0	0.20	32	6	1		5	<1			0.022	<0.01	0.33	0	99			5	21
			Sep.1			4.3	0.10	34	6	1		5	1			0.012	0.02	0.27	0	105			15	15
			Oct.18			4.2	0.05	32	6	1		10	2			0.016	0.01	0.49	0	98			20	17
BOG LAKE	51°31'	85°44'	Aug.14	16		1.4		3	<1	<1		7	1			0.028	<0.01	0.44	1.5	6		14	40	10
			Sep.25	8		0.9	0.15	3	<1	<1		<5	<1			0.024	<0.01	0.42	1.0	9		16	50	10
BRIGHTSAND RIVER	49°36'	90°34'	Jul.6				0.30	6	<1	1		12	1			0.016		0.32	5					
			Aug.28	21		6.6	0.35	5	2	1		5	<1			0.022	0.01	0.43	1	16		37		
			Oct.12			6.0	0.50	6	<1	1		10	1			0.020	<0.01	0.44	0.5	14			85	30
CHEEPAY RIVER	51°27'	83°26'	Aug.30			1.8	0.25	15	2	1		7	<1			0.026	<0.01	0.52	0.5	46			60	25
KAWASHKAGAMA RIVER	50°26'	87°09'	May 13	5		3.6	0.35	21	3	0.5		<5	1			0.016	0.03	0.55	0.5	62		92		
			Jun.8	15		2.6	0.10	24	3	0.6		<5	1			0.016	<0.01	0.46	0.5	71		120	20	4
			Jul.16	15		2.2	0.15	28	4	1		5	<1			0.04	<0.01	0.32	0.5	83		130	15	17
			Sep.1	17		3.6	0.15	14	2	<1		5	1			0.022	<0.01	0.14	0.5	86		165	30	15
			Oct.19			3.5	0.25	23	4	1		10	1			0.012	<0.01	0.41	0.5	71			50	4
KEEZHIK LAKE-composite	51°45'	88°30'	Mar.10			2.6	0.05	26	4	1		5	<1			0.012	0.03	0.25	0.5	77		142		
			Aug.5	23		2.2	0.05	22	3	1		<5	1			0.013	0.01	0.27	0	68		135	15	5
KEEZHIK LAKE - bottom	51°45'	88°30'	Mar.10			4.5	0.10	26	4	1		5	1			0.012	0.10	0.18	0.5	80		154		
			Aug.5	19		2.3	0.15	22	3	1		5	1			0.017	<0.01	0.30	0	70		135	15	5
KENOGAMI RIVER	50°58'	84°36'	May 19	8		2.4	0.45	17	2	0.6		<5	1			0.04	0.02	0.38	1	48		62		
			Jun.17	21		2.4	0.25	20	9	0.7		5	2			0.012	<0.01	0.36	0.5	63		125		
			Jul.18			3.4		27	6	1		7	1			0.020	<0.01	0.32	1	81				
			Aug.30			2.5	0.30	28	5	1		5	1			0.040	<0.01	0.50	0.5	85			30	15
			Oct.21			2.2	0.30	18	3	1		10	1			0.014	<0.01	0.47	1.5	53				

\* indicates analysis performed in the field  
 \*\* Jackson Turbidity Unit

TABLE 56 (continued)  
CHEMICAL ANALYSES OF WATER SAMPLES  
ALBANY RIVER BASIN

CHEMICAL ANALYSES - ALBANY RIVER BASIN

Source	Latitude North	Longitude West	Date	Temperature	pH	Constituents in parts per million																Specific Conductance (micromhos at 25°C)	Colour (Hazen Units)	Turbidity (J.T.U.**)	
						Silica (SiO <sub>2</sub> )	Iron (Fe)	Calcium (Ca)	Magnesium (Mg)	Sodium (Na)	Potassium (K)	Sulphate (SO <sub>4</sub> )	Chloride (Cl)	Fluoride (F)	Boron (B)	Total Phosphorus (P)	Nitrate as (N)	Total Kjeldahl as (N)	Tannins & Lignins as Tannic acid	Total Alkalinity as CaCO <sub>3</sub>	Total Hardness as CaCO <sub>3</sub>				Total Dissolved Solids
LINGEN LAKE	51° 55'	85° 15'	Jun. 7	11		0.77	0.70	5	<1	0.3		5	1			0.032	<0.01	0.65	2	10			28	150	65
			Jun.25	15		0.36	0.80	5	<1	0.3		5	1			0.034	<0.01	0.60	1.5	12			28	85	40
			Aug.14	17		0.50	0.50	5	1	<1		5	1			0.035	<0.01	0.23	2	12			26	85	25
			Sep.25	10		0.80	0.45	6	1	<1		5	<1			0.020	<0.01	0.35	1	14			33	125	30
LOWER TWIN LAKE - composite	50° 10'	86° 31'	Jun.12	17		3.3	0.05	25	5	0.8		<5	1			0.010	<0.01	0.41	0	76			130	15	5
			Aug.15	17		4.4	0.05	26	4	<1		<5	1			0.011	<0.01	0.31	0.5	79			150	20	0
			Sep.15	15				25	5	<1			<1					0.5	80			155	20	5	
LOWER TWIN LAKE - bottom	50° 10'	86° 31'	Jun.12	11		3.9	0.10	25	4	0.8		<5	1			0.012	<0.01	0.26	0	80			130	15	5
			Aug.15	11		5.4	0.20	25	4	1		<5	<1			0.016	<0.01	0.35	0.5	79			150	20	0
LUCY LAKE - composite	50° 18'	87° 13'	Jun. 7	11		3.0	<0.05	34	7	1		<5	1			0.008	0.01	0.27	0	116			205	0	0
			Jun.25	17		2.9	0.05	35	7	1		<5	1			0.012	0.01	0.18	0	116			210	0	0
			Aug.14	17		4.3		34	7	1		<5	1			0.008	0.02	0.20	0	112			200	0	0
			Sep.25	14		3.0	0.15	33	7	1		<5	1			0.012	<0.01	0.22	0	112			220	0	0
LUCY LAKE - bottom	50° 18'	87° 13'	Jun. 7	9		3.4	0.05	34	7	1.0		<5	1			0.018	<0.01	0.22	0	46			205	0	0
			Jun.25	10		3.5	0.05	37	6	1.0		<5	1			0.024	<0.01	0.28	0	120			210	0	0
			Aug.14	15		5.2	0.05	34	7	1		<5	2			0.012	0.01	0.18	0	116			210	0	0
			Sep.25	13		5.0	0.15	33	7	1		<5	1			0.030	<0.01	0.43	0	114			220	0	0
MUSWABIK RIVER	51° 32'	85° 05'	May 21	6		1.6	0.50	34	7	1		8	1			0.028	<0.01	0.38	0	116			32		
			Jun.17	92		1.3	0.70	12	2	0.6		8	1			0.016	<0.01	0.20	1	36			70		
			Jul.18			3.2	2.3	28	4	1		5	<1			0.068	<0.01	0.62	1	82					
			Aug.29	19		1.1	0.60	17	2	1		7	<1			0.044	<0.01	0.44	2	48			72	125	45
			Oct.21			2.8	0.45	16	3	1		10	1			0.036	<0.01	0.52	2.0	47					
OPICHUAN RIVER	51° 10'	87° 46'	May 18	4		3.9	0.15	15	3	0.5		<5	1			0.018	0.06	0.22	0.5	48			67		
			Jun.9	12		2.9	0.15	16	3	0.5		<5	1			0.018	0.01	0.24	0.5	50			85.5	25	12
			Aug.4	20		3.6	0.05	18	4	1		5	<1			0.016	<0.01	0.25	0.5	54			100		
			Aug.28	19		2.9	0.10	17	4	1		<5	1			0.028	<0.01	0.26	0.5	52			97		
			Oct.15			2.9	0.10	17	3	<1		10	1			0.028	<0.01	0.35	0	49				50	14

\* Indicates analysis performed in the field  
\*\* Jackson Turbidity Unit

**TABLE 56 (continued)**  
**CHEMICAL ANALYSES OF WATER SAMPLES**  
**ALBANY RIVER BASIN**

CHEMICAL ANALYSES — ALBANY RIVER BASIN

Source	Latitude North	Longitude West	Date	Temperature	pH	Constituents in parts per million																Specific Conductance  (micromhos at 25°C)	Colour  (Hazen Units)	Turbidity  (J.T.U.**)	
						Silica (SiO <sub>2</sub> )	Iron (Fe)	Calcium (Ca)	Magnesium (Mg)	Sodium (Na)	Potassium (K)	Sulphate (SO <sub>4</sub> )	Chloride (Cl)	Fluoride (F)	Boron (B)	Total Phosphorus (P)	Nitrate as (N)	Total Kjeldahl as (N)	Tannins & Lignins as Tannic acid	Total Alkalinity as CaCO <sub>3</sub>	Total Hardness as CaCO <sub>3</sub>				Total Dissolved Solids
PASHKOKOGAN RIVER	51°02'	90°12'	Jun.11			1.7	0.15	8	1	0.5		<5	1			0.012	<0.01	0.76	0.5	23		43.5	30	12	
			Jul.5				0.15	8	1	1	0.4	10	1			0.020	0.01	0.46	5			50			
			Aug.28			2.3	0.10	10	<1	1		5	<1			0.027	0.02	0.49	0.5	25					
			Oct.12			1.2	0.10	9	<1	<1		10	1			0.010	<0.01	0.32	0	24			50	13	
STRING BOG	51°31'	85°44'	Jun.14			0.17	0.20	3	<1	0.2		5	1			0.016	<0.01	0.58	3.5	3		19	100	25	
			Jun.25			0.17	0.15	3	<1	0.2		5	1			0.012	<0.01	0.41	3.5	0		19	100	30	
			Aug.14			0.9		<1	<1	<1		5	<1			0.036	<0.01	0.60	5	9		21	125	25	
			Sep.25				0.25	<1	<1	1		5	<1			0.020	<0.01	0.38	4	0		24	150	30	
TROUTFLY LAKE-composite	51°42'	88°55'	Mar.10			3.9	0.10	34	7	1		<5	1			0.004	0.01	0.17	0.0	129					
			Aug.5			3.2	<0.05		2	1		<5	1			0.004	<0.01	0.19	0	106		190	5	0	
TROUTFLY LAKE-bottom	51°42'	88°55'	Mar.10			6.7	0.35	41	8	1		<5	1			0.034	0.01	0.49	0.0	110					
			Aug.5			6.1	0.10	34	5	1		<5	2			0.010	0.01	0.35	0			205	10	0	
WABEMIEG LAKE	51°28'	85°35'	Jun.7			0.60	1.0	7	1	0.5		<5	1			0.032	<0.01	0.48	1.5	16		36			
			Jun.25			0.59	1.1	8	<1	0.7		8	1			0.034	<0.01	0.49	1.5	20		38	85	35	
			Aug.14			1.1	0.55	9	1	1		5	1			0.032	<0.01	0.71	1	22		45	70	25	
			Sep.25			0.8	0.30	10	1	1		<5	1			0.027	<0.01	0.58	1	26		53	70	25	
W29-112	50°14'	90°43'	Jul.13	19	6.6	11.0	10.0	58	12	18	4.6	<5	27	0.1	0.11	0.30				188	192	320	920	250	50
W29-113	50°14'	90°43'	Jul.13	12	7.2	13.0	0.25	54	9	10	3.6	7	18	0.1	0.15	0.006				158	172	255	360	20	3
W29-114	50°14'	90°43'	Jul.13	10	6.5	8.9	0.15	14	3	7	1.6	9	6		0.05	0.006				40	46	105	140	15	2
W36-11	51°14'	90°15'	Aug.30	6	7.3	16.4	0.25	141	24	12	2.4	17	14	0.1		0.016				381	452	600	970	15	3
W36-18	51°12'	90°14'	Aug.28		7.8	1.4	0.15	10	2	1	0.4	<5	2	0.2		0.026				33	32	70	61*	40	8
W36-22	51°14'	90°15'	Aug.28	13	7.4	14.8	0.80	101	16	3	2.4	9	8	0.1		0.003				307	318	380	650	15	10
W36-23	51°14'	90°15'	Aug.28	19	7.3	13.1	3.6	100	19	13	2.1	<5	17	0.2		0.026				319	328	400	790	70	12
W36-24	51°14'	90°15'	Aug.28	6	7.3	17.4	4.0	74	14	8	2.1	5	3	0.5		0.040				246	240	320	510	140	15
W26-117	50°14'	90°43'	Jun.21		6.4		0.35	21	5	8	2.3	5		0.1			1.7			64	72	145	186*	60	
R35-136	50°18'	89°03'	Aug.20		7.1		0.30	28	4	17	5.6	33	1			0.24	4.4			40	86	180	175*		

\* Indicates analysis performed in the field  
 \*\* Jackson Turbidity Unit

**TABLE 57**  
**CHEMICAL ANALYSES OF WATER SAMPLES**  
**ATTAWAPISKAT RIVER BASIN**

CHEMICAL ANALYSES - ATTAWAPISKAT RIVER BASIN

Source	Latitude North	Longitude West	Date	Temperature (°C)	pH	Constituents in parts per million																Specific Conductance (micromhos at 25°C)	Colour (Hazen Units)	Turbidity (J.T.U.**)
						Silica (SiO <sub>2</sub> )	Iron (Fe)	Calcium (Ca)	Magnesium (Mg)	Sodium (Na)	Potassium (K)	Sulphate (SO <sub>4</sub> )	Chloride (Cl)	Fluoride (F)	Boron (B)	Total Phosphorus (P)	Nitrate as (N)	Total Kjeldahl as (N)	Tannins & Lignins as Tannic acid	Total Alkalinity as CaCO <sub>3</sub>	Total Hardness as CaCO <sub>3</sub>	Total Dissolved Solids		
ATTAWAPISKAT LAKE - composite	52°15'	87°55'	Mar.10	0		2.1	0.25	18	3	1		<5	1.5			0.018	0.01	0.47	1.5	52		105		
			Aug.5	20		2.2	0.15	14	2	1		5	1			0.011	<0.01	0.41	1.0	40		82	50	15
ATTAWAPISKAT LAKE - bottom	52°15'	87°55'	Mar.10	0		4.8	0.65	22	4	1		<5	<1			0.034	0.05	0.40	0.5	64		126		
ATTAWAPISKAT RIVER below MUKETEI RIVER	53°06'	85°05'	Jan.15			4.1	0.55	22	3	1	0.3	<5	2			0.012	0.03	0.56	2.5	62				
			Jul.4			1.9	0.35	18	2	1	0.3	<5	2			0.012	<0.01	0.44	2.5	50				
			Aug.26			2.7	0.45	16	3	1		9	<1			0.014	<0.01	0.45	1.0	46				
			Oct.22			2.5	0.57	12	2	1		5	2			0.010	<0.01	0.34	10.0	32				
OTOSKWIN RIVER below BADESDAWA LAKE	51°49'	89°36'	Apr.21	0		0.92	0.10	17	2	0.9		<5	1			0.028	0.12	0.28	0.5	50				
			May 29	7		3.6	4.4	22	2			8	1			0.58	<0.01	1.2		60				
			Aug.30	19		2.9	0.75	14	2	<1		<5	<1			0.028	<0.01	0.47	1	42				
			Oct.1			3.0	0.30	16	2	<1		<5	<1			0.018	<0.01	0.44	1	48				
PINEIMUTA RIVER at PINEIMUTA LAKE	52°18'	88°45'	Mar.3	0		4.9	0.45	19	3	0.8		5	1			0.12	0.01	0.55	1	56				
			Apr.21	0		5.1	0.30	7	<1	0.5		<5	1			0.012	0.16	0.28	0.5	20				
			May 30	4		2.4	0.40	11	1	0.7		5	2			0.018	0.01	0.32	1	34				
			Aug.28	19		4.1	0.40	17	2	1		<5	<1			0.019	<0.01	0.42	1	51				
STREATFIELD LAKE	52°08'	85°55'	Oct.5	9		3.5	0.40	21	4	1		5	<1			0.016	<0.01	0.46	1	65				
			Jun.7	11		1.1	1.7	5	1	0.4		5	1			0.058	<0.01	0.84	1.5	14		50	125	75
			Jun.25	15		0.92	1.2	6	<1	0.6		17	1			0.048	<0.01	0.67	1	16		32	85	50
			Aug.14	16		0.9	1.0	8	<1	1		5	1			0.040	<0.01	0.50	1.5	20		40	70	40
			Sep.25	9		0.7	0.90	9	<1	<1		<5	<1			0.035	<0.01	0.70	1	23		59	100	40

\* Indicates analysis performed in the field  
 \*\* Jackson Turbidity Unit

TABLE 57 (continued)

# CHEMICAL ANALYSES OF WATER SAMPLES

## ATTAWAPISKAT RIVER BASIN

CHEMICAL ANALYSES - ATTAWAPISKAT RIVER BASIN

Source	Latitude North	Longitude West	Date	Temperature	pH	Constituents in parts per million																Specific Conductance	Colour	Turbidity	
						Silica	Iron	Calcium	Magnesium	Sodium	Potassium	Sulphate	Chloride	Fluoride	Boron	Total Phosphorus	Nitrate as	Total Kjeldahl as	Tannins & Lignins as Tannic acid	Total Alkalinity as CaCO <sub>3</sub>	Total Hardness as CaCO <sub>3</sub>				Total Dissolved Solids
						(SiO <sub>2</sub> )	(Fe)	(Ca)	(Mg)	(Na)	(K)	(SO <sub>4</sub> )	(Cl)	(F)	(B)	(P)	(N)	(N)							(micromhos at 25°C)
W36-12	51° 29'	90° 10'	Sep. 2	12	7.7	8.8	0.10	70	35	2	0.8	121	7	0.1		0.014				189	316	420	600	< 5	1
W36-13	51° 30'	90° 10'	Sep. 1		8.6	0.2	0.10	18	3	2	4.6	< 5	2	0.1		0.008				73	56	90	90*	5	25
W36-14	51° 30'	90° 10'	Sep. 9	8	7.8	8.9	4.0	66	12	4	1.1	10	5	0.2		0.020				207	214	280	470	< 5	10
W36-16	52° 05'	90° 05'	Sep. 1	14	7.6	7.3	1.2	12	1	1	0.6	< 5	1	0.2		0.072				46	36	40	55	20	25
W36-17	52° 13'	90° 27'	Sep. 1	10	7.6	9.5	0.20	61	9	2	1.2	< 5	1	0.1		0.008				195	188	240	360	< 5	3
W36-19	51° 27'	90° 13'	Aug. 25	11	7.7	8.6	0.25	38	4	2	0.5	< 5	1	0.1		0.021				118	112	170	230	15	3
W36-20	51° 27'	90° 13'	Aug. 19	7	7.6	1.9	2.0	11	1	9	0.8	< 5	5	0.1		0.22				45	34	70	170	100	25
W36-21	51° 27'	90° 13'	Aug. 20	7	7.5	3.2	0.70	23	3	4	1.3	< 5	2	0.1		0.061				76	70	110	165	20	12
W36-25	51° 29'	90° 10'	Aug. 31	7	7.5	9.0	3.9	60	12	3	1.0	49	1	0.1		0.012				159	200	280	420	5	6
W28-99	51° 44'	89° 43'	Jul. 5		7.5	11.0	0.60	76	10	2	1.8	< 5	1	0.2	0.06	0.061				234	232	250	430*	< 5	12
W28-100	51° 27'	90° 13'	Jul. 6		7.4	6.2	4.3	47	7	3	4.5	< 5	2	0.1	0.06	0.15				178	148	160	296*	30	100
W28-101	51° 27'	90° 13'	Jul. 6	7	7.4	1.4	7.3	12	1	3	1.2	< 5	3	0.2	0.09	0.17				42	37	80	96*	125	50
W28-102	51° 29'	90° 10'	Jul. 7		7.0	6.0	8.7	34	8	2	1.1	< 5	2	0.2	0.03	0.54				114	116	130	222*	50	80
W29-115	51° 28'	90° 12'	Jul. 16	5	7.6	7.1	0.10	63	6	3	0.9	14	5	0.1	0.06	0.016				164	182	205	360	< 5	3
W26-118	51° 29'	90° 10'	Jun. 23		7.1		0.10	173	38	34	4.1	270	22	0.1		1.5	3.2			306	592	835	1120*	5	3
W28-119	51° 28'	90° 12'	Jun. 24		7.7		0.05	69	9	3	1.0	5	5	0.0		0.025	0.018			196	204	225	386*	5	1.5
R35-133	51° 28'	90° 14'	Aug. 20	18	7.8		0.25	20	3	1	1.0	7	1			0.044	0.02			62	62	135	118		
R35-134	51° 29'	90° 11'	Aug. 20	7	8.0		0.20	33	5	1	1.0	5	1			0.008	0.03			104	104	145	201*		
R35-135	51° 29'	90° 10'	Aug. 20	13	7.3		0.25	20	3	1	0.4	10	22			0.012	0.01			58	62	90	138		
R35-137	51° 29'	90° 12'	Aug. 20	8	7.1		0.30	21	5	3	1.0	7	2			0.016	0.01			70	72	135	150		
R35-138	51° 27'	90° 13'	Aug. 20	20	7.6		0.10	11	2	1	0.4	5	1			0.016	0.02			34	36	65	70		
R35-139	51° 28'	90° 11'	Aug. 20	20	7.6		0.20	16	2	1	0.5	7	1			0.026	0.01			48	50	80	100		
R35-140	51° 28'	90° 13'	Aug. 20	10	7.9		0.10	39	5	1	0.4	5	2			0.008	0.03			120	120	135	242		
W26-116	51° 29'	90° 12'	Jun. 21		6.7		0.70	37	8	30	7.1	17		0.1		0.070	5.5			134	124	255	376*	85	12

\* indicates analysis performed in the field  
 \*\* Jackson Turbidity Unit



**TABLE 58**  
**CHEMICAL ANALYSES OF WATER SAMPLES**  
**MOOSE RIVER BASIN**

CHEMICAL ANALYSES - MOOSE RIVER BASIN

Source	Latitude North	Longitude West	Date	Temperature (°C)	pH	Constituents in parts per million																Specific Conductance (micromhos at 25°C)	Colour (Hazen Units)	Turbidity (J.T.U.**)	
						Silica (SiO <sub>2</sub> )	Iron (Fe)	Calcium (Ca)	Magnesium (Mg)	Sodium (Na)	Potassium (K)	Sulphate (SO <sub>4</sub> )	Chloride (Cl)	Fluoride (F)	Boron (B)	Total Phosphorus (P)	Nitrate as (N)	Total Kjeldahl as (N)	Tannins & Lignins as Tannic acid	Total Alkalinity as CaCO <sub>3</sub>	Total Hardness as CaCO <sub>3</sub>				Total Dissolved Solids
ABITIBI RIVER at OHAKAWANA	50°36'	81°25'	Jan.20			4.7	1.3	8	2	4	1.3	5	8			0.040	0.9	0.40	0.5	12					
			May 19			4.3	2.5	22	1	1	0.6	<5	1			0.090	0.06	0.75	2.5	56					
			Jul.14			4.7	1.0	21	4	2		5	1			0.034	0.01	0.36	1.0	59					
			Oct.5			6.3	2.3	22	5	2		11	1			0.048	<0.01	0.47	1.0	59					
BLUEGOOSE LAKE	50°00'	84°08'	Jun.11	18		0.25	0.15	14	2	0.7		<5	1			0.017	<0.01	0.53	1	41		82	40	15	
			Jul.1	21		0.39	0.10	12		0.7		5	1			0.022	<0.01	0.51	1	42		82	30	10	
			Aug.15	18		1.8	0.10		4	1		<5	<1			0.024	<0.01	0.50	0.5	47		90	30	5	
			Sep.27	16		1.8	0.10	14	3	1		5	<1			0.020	<0.01	1.3	0.5	44		97	40	5	
BLUEJAY LAKE-composite	50°02'	84°08'	Jun.11	16		2.7	0.05	65	19	2.2		8	1			0.006	0.02	0.12	0	234		450	0	0	
			Jul.1	20		9.6	<0.05	72	20	2.5		11	1			0.008	0.02	0.10	0.5	257		400	0	0	
			Aug.15	19		10.5	<0.05	58	18	2		7	1			<0.004	0.01	0.13	0	214		400	0	0	
			Sep.27	13		11.0	0.05	70	18	2		7	<1			0.005	<0.01	0.12	0	243		475	0	0	
BLUEJAY LAKE - bottom	50°02'	84°08'	Jun.11	9		8.5	0.05	79	24	2.6		14	1			0.014	0.01	0.09	0	269		570	0	0	
			Jul.1	9		8.8	0.05	78	20	2.6		11	1			0.014	0.02	0.13	0	274		480	0	0	
			Aug.15	11		13.0	0.05	63	19	2		7	<1			0.006	<0.1	0.15	0	229		470	0	0	
			Sep.27	10		11.5	0.10	79	19	3		<5	1			0.010	<0.01	0.22	0	271		550	0	0	
BRUNSWICK LAKE - composite	49°00'	83°23'	Jun.8	15		2.3	0.30	19	4	0.5		8	1			0.020	<0.01	0.37	1	52		110	50	20	
			Jul.3	19		1.7	0.10	26	5	0.7		8	1			0.022	0.02	0.33	0.5	78		150	15	5	
			Aug.17	19			0.10	27	5	1		7	<1			0.026	<0.01	0.72	0	81		158	20	5	
			Sep.28	14		3.7	0.10	26	5	<4		<5	2			0.021	<0.01	0.59	0	83		165	20	0	
BRUNSWICK LAKE - bottom	49°00'	83°23'	Jul.3	14		3.8	0.15	24	6	0.6		7	2			0.016	0.01	0.34	0	80		160	15	0	
			Aug.17	18		3.0	0.10	27	5	1		7	<1			0.026	<0.01	0.72	0	81		160	20	5	
			Sept.28	14		5.5	0.20	26	5	1		<5	<1			0.020	<0.01	0.39	0	82		175	30	5	
KAPUSKASING RIVER at KAPUSKASING	49°25'	82°26'	Apr.29			4.4	0.75	18	3	7	0.9	5	2			0.040	0.01	0.70	8.0	44					
			Aug.17			5.3	0.60	27	6	2		29	2			0.046	0.01	1.20	12	62					
			Oct.29			5.3	1.0	26	7	3		20	2			0.058	<0.01	0.70	10	64					
MISSINABI RIVER at MATTICE	49°37'	83°16'	Apr.30			3.9	0.60	21	4	1	0.6	<5	1			0.024	0.10	0.56	1.5	58					
			Jun.23			3.1	0.50	17	3	1	0.7	5	2			0.016	0.03	0.48	2	46					
			Aug.17			4.2	0.35	26	4	1		5	1			0.012	0.01	0.43	1	74					
			Oct.29			5.2	0.50	25	6	1		9	1			0.020	<0.01	0.53	1	74					

\* indicates analysis performed in the field

\*\* Jackson Turbidity Unit



**TABLE 58 (continued)**  
**CHEMICAL ANALYSES OF WATER SAMPLES**  
**MOOSE RIVER BASIN**

CHEMICAL ANALYSES - MOOSE RIVER BASIN

Source	Latitude North	Longitude West	Date	Temperature (°C)	pH	Constituents in parts per million																Specific Conductance (micromhos at 25°C)	Colour (Hazen Units)	Turbidity (J.T.U.**)	
						Silica (SiO <sub>2</sub> )	Iron (Fe)	Calcium (Ca)	Magnesium (Mg)	Sodium (Na)	Potassium (K)	Sulphate (SO <sub>4</sub> )	Chloride (Cl)	Fluoride (F)	Boron (B)	Total Phosphorus (P)	Nitrate as (N)	Total Kjeldahl as (N)	Tannins & Lignins as Tannic acid	Total Alkalinity as CaCO <sub>3</sub>	Total Hardness as CaCO <sub>3</sub>				Total Dissolved Solids
MOOSE RIVER at MOOSE RIVER	50° 49'	81° 18'	Jan.19			3.0	0.15	8	2	4	1.4	5	8				0.19	0.38	0.5	12					
			May 18			4.2	2.6	26	3	1	0.7	<5	1				<0.01	0.65	2.5						
			Jul.13			3.1	0.45	22	5	2		10	2				<0.01	0.40	1.5	65					
			Oct.4			4.7	1.8	22	4	1		<5	1				0.01	0.60	2.0	60					
PIERRE LAKE - composite	49° 31'	80° 44'	Jun.8	14		3.4	0.30	16	2	0.8		8	1				0.02	0.27	1	44		92	70	25	
			Jul.2	18		2.9	0.25	14	4	0.8		8	1				0.02	0.28	1	45		92	85	15	
			Aug.17	18		2.3	0.25	16	3	1		7	<1				<0.01	0.40	0.5	46		112	70	15	
			Sep.30	12			0.35	15	3	1		5	1				0.01	0.35	0.5	46		100	85	20	
PIERRE LAKE - bottom	49° 31'	80° 44'	Jul.2	17		3.5	0.40	16	3	1.0		8	2				0.02	0.30	0.5	44		92	85	15	
			Aug.17	17		3.5	0.60	15	3	1		5	<1				<0.01	0.75	0.5	47		112	70	15	
			Sep.30	12		2.5	0.30	15	3	1		<5	<1				<0.01	0.46	1	46		100	85	20	
REMI LAKE - composite	49° 25'	82° 10'	Jun.9	13		2.3	0.10	26	5	1.2		<5	2				<0.01	0.38	0	80		160	10	15	
			Jul.4	19		2.5	0.10	27	5	0.6		5	2				<0.01	0.43	0	83		165	15	0	
			Aug.16	17		3.8	0.10	27	5	1		<5	2				<0.01	0.54	0.5	84		170	20	0	
			Sep.30	13		8.5	0.20	27	5	1		<5	2				<0.01	0.49	0	89		170	20	0	
REMI LAKE - bottom	49° 25'	82° 10'	Jul.4	19		2.1	0.10	28	5	1.2		5	2				<0.01	0.30	0	82		165	15	0	
			Aug.17	17		3.4	0.10	28	5	1		5	2				<0.01	0.47	0	83		175	20	0	
			Sep.30	13		3.8	0.20	27	5	2.6		<5	2				<0.01	0.43	0.5	84		172	20	5	
SAGANASH LAKE - composite	49° 04'	82° 35'	Jun.8	15		3.0	0.25	25	5	1.0		8	1				<0.01	1.4	0.5	78		150	30	15	
			Jul.3	19		2.8	0.30	26	5	1.1		8	1				<0.01	0.36	0.5	81		152	30	20	
			Aug.17	18		4.8	0.15	26	5	1		<5	<1				<0.01	0.55	0.5	84		162	30	5	
			Sep.28	13		3.7	0.25	27	5	1		<5	1				<0.01	0.89	0.5	87		170	30	10	
			Mar.24			2.7	0.10	30	6	1		5	1				0.04	0.36	0.5	95					
SAGANASH LAKE - bottom	49° 04'	82° 25'	Jun.8	14																		150	40	15	
			Aug.17	18																		160	30	5	
			Sep.28	13																		175	30	10	
SHANNON LAKE	49° 47'	83° 23'	Jun.8	15		0.59	0.10	24	4	0.5		<5	1				<0.01	0.41	0	74		140	5	0	
			Jul.3	19		0.69	0.05	24	5	0.6		<5	1				<0.01	0.31	0	76		145	5	0	
			Aug.17	18		1.3	0.10	25	4	<1		<5	1				<0.01	0.48	0	78		145	15	0	
			Sep.28	12		2.5	0.10	24	4	<1		<5	<1				<0.01	0.46	0	75		155	15	0	

\* indicates analysis performed in the field  
 \*\* Jackson Turbidity Unit

**TABLE 58 (continued)**  
**CHEMICAL ANALYSES OF WATER SAMPLES**  
**MOOSE RIVER BASIN**

CHEMICAL ANALYSES – MOOSE RIVER BASIN

Source	Latitude North	Longitude West	Date	Temperature  (°C)	pH	Constituents in parts per million																Specific Conductance  (micromhos at 25°C)	Colour  (Hazen Units)	Turbidity  (J.T.U. **)
						Silica  (SiO <sub>2</sub> )	Iron  (Fe)	Calcium  (Ca)	Magnesium  (Mg)	Sodium  (Na)	Potassium  (K)	Sulphate  (SO <sub>4</sub> )	Chloride  (Cl)	Fluoride  (F)	Boron  (B)	Total Phosphorus  (P)	Nitrate as  (N)	Total Kjeldahl as  (N)	Tannins & Lignins as Tannic acid	Total Alkalinity as  CaCO <sub>3</sub>	Total Hardness as  CaCO <sub>3</sub>			
SHEKAK RIVER at Hwy.#11	49°45'	84°24'	Jan.19			4.9	0.25	42	8	2	1.2	< 5	4			0.040	0.08	1.30	1	132				
			May 13			3.0	0.30	23	4	1	0.6	< 5	6			0.024	0.02	0.46	1	66				
			Jun.23			3.0	0.20	33	5	1	0.6	< 5	2			0.020	< 0.01	0.46	1	96				
			Jul.13			3.1	0.15	36	6	1	0.7	< 5	2			0.016	<0.01	0.46	1	108				
			Aug.24			4.0	0.25	39	8	1		9	1			0.012	<0.01	0.37	0.5	124				
			Oct.28			4.7	0.35	34	7	1		5	1			0.012	<0.01	0.58	0.5	100				

\* indicates analysis performed in the field

\*\* Jackson Turbidity Unit

**TABLE 59**  
**CHEMICAL ANALYSES OF WATER SAMPLES**  
**SEVERN RIVER BASIN**

CHEMICAL ANALYSES - SEVERN RIVER BASIN

Source	Latitude North	Longitude West	Date	Temperature	pH	Constituents in parts per million																Specific Conductance	Colour	Turbidity	
						Silica	Iron	Calcium	Magnesium	Sodium	Potassium	Sulphate	Chloride	Fluoride	Boron	Total Phosphorus	Nitrate as	Total Kjeldahl as	Tannins & Lignins as Tannic acid	Total Alkalinity as	Total Hardness as				Total Dissolved Solids
				(°C)		(SiO <sub>2</sub> )	(Fe)	(Ca)	(Mg)	(Na)	(K)	(SO <sub>4</sub> )	(Cl)	(F)	(B)	(P)	(N)	(N)		CaCO <sub>3</sub>	CaCO <sub>3</sub>		(micromhos at 25°C)	(Hazen Units)	(J.T.U. **)
AGUSK or TEEPEESTICK LAKE	54°38'	89°30'	Mar.9			2.4	0.35	23	3	1		< 5	< 1			0.016	0.01	0.55	0.0	64					
			Aug.9	22		0.54	0.15	14	2	1		< 5	1			0.014	<0.01	0.47	0.5	42			72	30	10
BIG TROUT LAKE -composite	53°45'	90°00'	Mar.10			0.9	0.05	19	3	1		< 5	< 1			0.006	0.01	0.19	0.0	56			112		
			Aug.6	18		0.7	0.05	18	2	<1		< 5	1			0.008	<0.01	0.28	0.5	52			105	10	5
BIG TROUT LAKE-bottom	53°45'	90°00'	Mar.10			2.2	0.15	20	3	1		< 5	< 1			0.014	0.04	0.27	0.0	58			112		
			Aug.6	14		0.64	0.05	17	3	1		< 5	1			0.008	<0.01	0.29	0	52			105	10	5
BIG TROUT LAKE - bog	53°51'	89°53'	Aug.8	19		1.5	0.10	22	3	1		5	2			0.009	<0.01	0.60	1.5	58			105	83	20
FLANAGAN RIVER	52°49'	93°27'	Jun.11	16		3.9	4.30	11	2	0.9		5	1			0.046	<0.01	0.39	1	33			37	150	62
			Jul.7				4.10	12	2	1	1.1	12	1			0.110	0.02	0.50							
			Aug.27	17		4.5	4.25	14	2	1		5	< 1			0.100	<0.01	0.42	1	44			80		
			Oct.13			4.0	2.3	13	3	1		10	1			0.340	<0.01	0.62	6.5	38				200	75
KANESS LAKE - composite	52°31'	92°30'	Mar.7			4.3	0.15	11	2	1		5	< 1			0.022	0.06	0.36	1.0	35			71		
			Aug.7	23		1.9	0.70		3	1		5	2			0.009	<0.01	0.35	1.0	32			60	70	20
KANESS LAKE - bottom	52°31'	92°30'	Mar.7			4.4	0.50	10	3	1		5	< 1			0.038	0.06	0.39	1.5	34					
			Aug.7	8		4.8	0.70	10	2	1		< 5	1			0.060	0.01	0.44	1.0	32			68	70	25
NORTH SPIRIT LAKE - composite	52°36'	93°00'	Mar.7			3.2	0.15	9	2	1		5	1			0.014	0.01	0.50	1.5	27			59		
			Aug.7	23		3.3	0.15	9	1	1		5	1			0.010	<0.01	0.39	1.0	26			50	70	20
			Oct.12	11		4.1	0.15	14	2	1		< 5	< 1			0.016	<0.01	0.38	1	27			55	50	18
NORTH SPIRIT LAKE - bottom	52°36'	93°00'	Mar.7			4.6	0.45	10	3	1		5	< 1			0.044	0.04	0.43	1.0	28			62		
			Aug.7	19		3.4	0.15	9	1	1		< 5	1			0.012	<0.01	0.47	1.0	26			52	70	29
			Oct.12			5.3	0.60	10		1		1.0	1			0.050	0.06	0.39	1.0	31			87		
SANDY LAKE - composite	53°00'	93°00'	Mar.8			4.5	1.8	12	2	1		5	< 1			0.048	0.04	0.53	1.5	47			93		
			Aug.7	20		3.7	2.6	14	3	1		12	1			0.046	0.02	0.46	1.0	38			83		
			Oct.12	7		2.5	5.5	15	4	1		< 5	< 1			0.011	<0.01	0.56	0.5	50			95	150	80
SANDY LAKE - bottom	53°00'	93°00'	Mar.8			4.3	3.4	15	3	1		5	< 1			0.20	0.06	0.86	0.5	47			95		
			Aug.7	19		3.9	1.4	12	2	1		7	1			0.048	0.02	0.45	1.0	38			83		
SANDYBANK LAKE	53°00'	89°45'	Mar.9			1.9	0.85	29	3	1		< 5	2			0.060	0.01	1.50	0.5	80					
			Aug.9	23		0.6	0.25	14	2	1		5	1			0.018	<0.01	0.60	0.5	42			80	30	8

\* indicates analysis performed in the field  
 \*\* Jackson Turbidity Unit

**TABLE 59 (continued)**  
**CHEMICAL ANALYSES OF WATER SAMPLES**  
**SEVERN RIVER BASIN**

CHEMICAL ANALYSES – SEVERN RIVER BASIN

Source	Latitude North	Longitude West	Date	Temperature (°C)	pH	Constituents in parts per million																Specific Conductance (micromhos at 25°C)	Colour (Hazen Units)	Turbidity (J.T.U.**)
						Silica (SiO <sub>2</sub> )	Iron (Fe)	Calcium (Ca)	Magnesium (Mg)	Sodium (Na)	Potassium (K)	Sulphate (SO <sub>4</sub> )	Chloride (Cl)	Fluoride (F)	Boron (B)	Total Phosphorus (P)	Nitrate as (N)	Total Kjeldahl as (N)	Tannins & Lignins as Tannic acid	Total Alkalinity as CaCO <sub>3</sub>	Total Hardness as CaCO <sub>3</sub>	Total Dissolved Solids		
SCHADE RIVER	53°33'	91°09'	Jun.10	15		1.9	0.40	10	6	0.6		5	1			0.022	<0.01	0.38		30		50.5	50	18
			Jul.9				1.2				0.5	10				0.052	0.01	0.49						
			Aug.27	17		2.9	0.65	13	4	1		7	<1			0.033	<0.01	0.42	0.5	38		67	30	30
			Oct.13			2.7	0.45	14	5	1		10	1			0.032	<0.01	0.44	0.5	41		60		19
SEVERN RIVER at LIMESTONE RAPIDS	55°22'	88°19'	Apr.23	1		3.5	1.0	26	3	2.1		<5	3			0.030	0.07	0.42	0.5	77				
			Jun.4	11		1.5	2.65	20	2	2		5	2			0.030	<0.01	0.37	0.5	60				
			Jul.11			1.8	0.75	24	2	2		7	2			0.036	<0.01	0.31	0.5	66				
			Sep.19	7		2.9	0.75	25	4	3		<5	5			0.028	<0.01	0.47	0.5	79				
WUNNUMIN LAKE - composite	52°55'	89°15'	Oct.18			2.8	0.75	19	4	2		12	3			0.022	<0.01	0.44	0.5	75				
			Mar.10			3.5	0.15	16	3	1		<5	1			0.012	0.02	0.44	1.5	45		91		
			Aug.5	19		1.8	0.10	12	2	<1		5	1			0.010	<0.01	0.60	1.0	36		78	40	15
WUNNUMIN LAKE - bottom	52°55'	89°15'	Mar.10			2.9	0.60	18	3	1		<5	1			0.024	0.01	0.37	0.5	52		103		
			Aug.5			2.0	0.15	12	2	<1		<5	1			0.015	<0.01	0.42	1.0	36		78	40	15

\* Indicates analysis performed in the field

\*\* Jackson Turbidity Unit

**TABLE 60**  
**CHEMICAL ANALYSES OF WATER SAMPLES**  
**WINISK RIVER BASIN**

CHEMICAL ANALYSES - WINISK RIVER BASIN

Source	Latitude North	Longitude West	Date	Temperature (°C)	pH	Constituents in parts per million																Specific Conductance (micromhos at 25°C)	Colour (Hazen Units)	Turbidity (J.T.U.**)	
						Silica (SiO <sub>2</sub> )	Iron (Fe)	Calcium (Ca)	Magnesium (Mg)	Sodium (Na)	Potassium (K)	Sulphate (SO <sub>4</sub> )	Chloride (Cl)	Fluoride (F)	Boron (B)	Total Phosphorus (P)	Nitrate as (N)	Total Kjeldahl as (N)	Tannins & Lignins as Tannic acid	Total Alkalinity as CaCO <sub>3</sub>	Total Hardness as CaCO <sub>3</sub>				Total Dissolved Solids
ASHEWIG RIVER at STRAIGHT LAKE	53°43'	87°57'	Apr.23	0		2.8	0.25	18	3			<5				0.012	0.08	0.78		60					
			Jun.2			2.3	0.50	16	1	0.5		<5	1			0.008	0.01	0.24	0.5	43					
			Jul.10			2.2	0.15	14	2	<1		<5	<1			0.015	<0.01	0.32	0.5	42					
			Sep.21			2.0	0.20	13	2	<1		<5	<1			0.014	<0.01	0.50	1	38					
			Oct.20			1.9	0.10	16	3	<1		10	1			0.04	<0.01	0.36	0.5	54					
ATIKAMEG LAKE	54°15'	88°24'	Mar.9			0.64	0.35	10	1	1		<5	2			0.022	0.11	0.69	2.0	25		62			
			Aug.9	22		0.38	0.20	6	<1	1		7	1			0.024	<0.01	0.46	1.5	16		>50	70	20	
KASABONICA LAKE	53°35'	88°30'	Mar.9			4.0	0.30	25	3	1		<5	1			0.010	0.08	0.47	1.0	72		137			
			Aug.4	19		2.2	0.10			1		5	2			0.011	<0.01	0.41	0.5			92	30	15	
PIPESTONE RIVER at KARL LAKE	52°34'	90°14'	May 3			2.2	0.30	10	1	0.8		5	1			0.016	<0.01	0.31		27					
			Aug.28	20		4.3	0.30	13	2	<1		<5	<1			0.016	<0.01	0.42	1	37					
			Oct.5	8		3.3	0.45	15	2	1		<5	<1			0.016	<0.01	0.40	1	45					
SHAGAMU BOG	55°05'	87°05'	Aug.11	24		0.38	0.20	7	<1	1		5	2			0.010	<0.01	0.53	2.5	16		>50	100	25	
SHAGAMU LAKE	55°05'	87°04'	Mar.9			0.40	0.10	14	1	2		5	3			0.006	<0.01	0.37	1.5	40		86			
			Aug.11	21		0.13	0.25	7	<1	1		<5	2			0.020	<0.01	0.56	1.0	22		50	20	10	
WINISK RIVER below ASHWIEG RIVER	54°31'	87°14'	Apr.23	1		2.9	0.05	4	<1	0.2		8	1			0.010	0.02	0.46	0	8					
			Jun.3			2.4	0.60	17	2	0.8		5	1			0.036	<0.01	0.35	0.5	48					
			Jul.10			3.2	0.40	18	2	1		5	1			0.026	<0.01	0.40	0.5	51					
			Oct.18			2.9	0.30	17	2	1		10	1			0.028	<0.01	0.35	1.0	49					
W36-15	52°17'	90°35'	Sep.1	14	8.0	13.6	0.85	42	4	9	2.0	8	3	0.1		0.016				125	122	160	280	20	8

\* Indicates analysis performed in the field  
 \*\* Jackson Turbidity Unit

**PHYTOPLANKTON TABLES**

TABLE 61  
PHYTOPLANKTON  
ALBANY RIVER BASIN

Bog Lake

Latitude 51°31'; Longitude 85°44'

GROUP	GENUS		July 15/71	July 23/71	Aug. 1/71	Aug. 14/71	Sept. 3/71	Sept. 25/71					
BLUE GREEN	Anabaena		43	378	375	172		162					
	Aphanizomenon							32					
	Aphanocapsa			320		251		251					
	Aphanothece		2900	774	905	4345	5189	4027					
	Chroococcus		342	241	254	118		107					
	Coelosphaerium												
	Dactylococcopsis			38	13								
	Gloeocapsa												
	Gloeotheca												
	Gomphosphaeria			16	27	70	205	29					
	Lyngbya		83	42	131	153	585	422					
	Marssoniella												
	Merismopedia		60	6									
	Microcystis					433							
	Nostoc												
	Oscillatoria		12	18			7	102					
	Pelodictyon												
	Pelogloea												
	Phormidium												
	Rhaboderma		12										
	Tetrapedia												
	Spirulina												
	Syctonema												

Units are given in Areal Standard Units per millilitre

P = Present

TABLE 62  
PHYTOPLANKTON  
ALBANY RIVER BASIN

Bog Lake

Latitude 51°31'; Longitude 85°44'

GROUP	GENUS		July 15/71	July 23/71	Aug. 1/71	Aug. 14/71	Sept. 3/71	Sept. 25/71					
DIATOMS	Achnanthes												
	Amphiprora												
	Amphora												
	Asterionella			P									
	Attheya												
	Cyclotella		44	27	3	2	20	24					
	Cymbella												
	Diatoma												
	Epithemia												
	Eunotia												
	Fragilaria			P				30					
	Melosira												
	Navicula												
	Nitzschia		33	11	18	14		9					
	Pinnularia			P									
	Rhizosolenia						12						
	Stauroneis												
	Surirella												
	Stephanodiscus												
	Synedra				4								
	Tabellaria		69	45	342	75	177	198					
	Cymatopleura												
	Cocconeis												
	Caloneis												
	Frustulia												
	Gyrosigma												
	Unknown Diatom												

Units are given in Areal Standard Units per millilitre  
P = Present



TABLE 63  
PHYTOPLANKTON  
ALBANY RIVER BASIN

Bog Lake

Latitude 51°31'; Longitude 85°44'

GROUP	GENUS		July 15/71	July 23/71	Aug. 1/71	Aug. 14/71	Sept. 3/71	Sept. 25/71					
FLAGELLATES	Carteria			1									
	Ceratium												
	Chlamydomonas		30	18	1	67	47	27					
	Chlorogonium												
	Cryptomonas		54	P	7		15	35					
	Dinobryon		307	65	17	241	745	19					
	Euglena												
	Glenodinium		23										
	Gymnodinium			75									
	Mallomonas					30	102						
	Ochromonas												
	Phacus												
	Peridinium			50			43						
	Rhodomonas			5			29						
	Synura						11						
	Trachelomonas			15									
	Unknown Chrysophyte		31	137	12	116	121	159					

Units are given in areal standard units per millilitre  
P = Present

TABLE 64  
PHYTOPLANKTON  
ALBANY RIVER BASIN

Bog Lake

Latitude 51°31'; Longitude 85°44'

GROUP	GENUS		July 15/71	July 23/71	Aug. 1/71	Aug. 14/71	Sept. 3/71	Sept. 25/71					
GREEN	Actinastrum												
	Ankistrodesmus			8	5	92	61	24					
	Arthrodesmus			P	22								
	Bitrichia					11							
	Botryococcus			42	24	104		39					
	Characium												
	Closterium												
	Coelastrum		36				30						
	Cosmarium			P									
	Crucigenia			9		34	42	18					
	Dictyosphaerium		100			8							
	Elakatothrix												
	Gloeocystis		140				281	150					
	Golenkinia												
	Kirchneriella			P				2					
	Lagerheimia			2									
	Micractinium						2						
	Mougeotia		80			12							
	Nephrocytium					75	204	100					
	Euastrum												
	Desmidium												

Units are given in Areal Standard Units per millilitre  
P = Present

TABLE 64 (Cont.)  
PHYTOPLANKTON  
ALBANY RIVER BASIN

Bog Lake

Latitude 51°31'; Longitude 85°44'

GROUP	GENUS		July 15/71	July 23/71	Aug. 1/71	Aug. 14/71	Sept. 3/71	Sept. 25/71					
GREEN	Oedogonium			P		43	89	6					
	Oocystis		74	104	41	51	225	66					
	Ophiocytium												
	Pediastrum		80		4								
	Quadrigula					74		11					
	Scenedesmus		106	48	64	222	127	100					
	Schroederia												
	Selenastrum												
	Sphaerocystis												
	Spondylosium							8					
	Staurastrum		64	P	139								
	Tetraëdron		58	2		3	57						
	Treubaria												
	Ulothrix												
	Pectodictyon												
	Unknown Green												

Units are given in Areal Standard Units per millilitre

P = Present

TABLE 65  
PHYTOPLANKTON  
ALBANY RIVER BASIN

Bluegoose Lake

Latitude 50°00'; Longitude 84°08'

GROUP	GENUS	June 11/71	June 23/71	July 1/71	July 18/71	July 27/71	Aug. 15/71	Aug. 28/71	Sept. 9/71	Sept. 27/71			
BLUE GREEN	Anabaena	34	42	54	6	4	59	33	42	14			
	Aphanizomenon												
	Aphanocapsa		274	4		46							
	Aphanothece	389	272	84	106	578	383	1240	65				
	Chroococcus	18	9	27	26		97	7	74	2			
	Coelosphaerium												
	Dactylococcopsis						2	10					
	Gloeocapsa												
	Gloeotheca												
	Gomphosphaeria		18	60	11	P							
	Lyngbya				12	P							
	Marssoniella												
	Merismopedia		9			2	4		4				
	Microcystis		70	P	434	46	210	661	565	497			
	Nostoc												
	Oscillatoria			6		4							
	Pelodictyon												
	Pelogloea												
	Phormidium												
	Rhaboderma												
	Syctonema												
	Tetrapedia												
	Spirulina										17		

Units are given in Areal Standard Units per millilitre  
P = Present

TABLE 66  
PHYTOPLANKTON  
ALBANY RIVER BASIN

Bluegoose Lake

Latitude 50°00'; Longitude 84°08'

GROUP	GENUS	June 11/71	June 23/71	July 1/71	July 18/71	July 27/71	Aug. 15/71	Aug. 28/71	Sept. 9/71	Sept. 27/71			
DIATOMS	Achnanthes					P							
	Amphiprora												
	Amphora												
	Asterionella						132			6			
	Attheya												
	Cyclotella	6	85	96	17	14	7	13	4				
	Cymbella				4	1							
	Diatoma												
	Epithemia												
	Eunotia												
	Fragilaria					10		13					
	Melosira												
	Navicula				P								
	Nitzschia	1	18	4	6				2	3			
	Pinnularia												
	Rhizosolenia				55					10			
	Stauroneis												
	Surirella												
	Stephanodiscus												
	Synedra	P	33	24	48	5		P		11			
	Tabellaria	20	17	P	45	71	17	30	11	67			
	Cymatopleura												
	Cocconeis												
	Caloneis												
	Frustulia												
	Gyrosigma												
	Unknown Diatom												

Units are given in Areal Standard Units per millilitre

P = Present

TABLE 67  
PHYTOPLANKTON  
ALBANY RIVER BASIN

Bluegoose Lake

Latitude 50°00'; Longitude 84°08'

GROUP	GENUS	June 11/71	June 23/71	July 1/71	July 18/71	July 27/71	Aug. 15/71	Aug. 28/71	Sept. 9/71	Sept. 27/71			
FLAGELLATES	Carteria				P								
	Ceratium												
	Chlamydomonas	55	135	118	5	18	39	26		6			
	Chlorogonium												
	Chrysophyte				24		20						
	Cryptomonas	4	84	46	17	24		20	72	53			
	Dinobryon	25	24	7	68	41	218	758	94	83			
	Euglena			30	P	P							
	Glenodinium					P							
	Mallomonas												
	Ochromonas		4										
	Pandorina						31						
	Peridinium			8	10	29	10						
	Phacus												
	Rhodomonas				28	22	20	48	14	30			
	Synura												
	Trachelomonas			11									
	Unknown Chrysophyte				6	2		12		17			
	Stipitococcus												

Units are given in Areal Standard Units per millilitre  
P = Present

TABLE 68  
PHYTOPLANKTON  
ALBANY RIVER BASIN

Bluegoose Lake

Latitude 50°00'; Longitude 84°08'

GROUP	GENUS	June 11/71	June 23/71	July 1/71	July 18/71	July 27/71	Aug. 15/71	Aug. 28/71	Sept. 9/71	Sept. 27/71			
GREEN	Actinastrum												
	Ankistrodesmus	1			9	2			1	4			
	Arthrodesmus												
	Botryococcus			P					5	22			
	Characium												
	Closterium												
	Coelastrum	26	5	4		1		5		1			
	Cosmarium												
	Crucigenia	2			3	2	9	32	14	8			
	Dictyosphaerium												
	Elakatothrix												
	Gloeocystis												
	Golenkinia												
	Kirchneriella					8		10		6			
	Lagerheimia												
	Micractinium												
	Mougeotia												
	Nephrocytium												
	Euastrum												
	Bitrichia												
	Desmidium												

Units are given in Areal Standard Units per millilitre

p = Present

TABLE 68 (Cont.)  
PHYTOPLANKTON  
ALBANY RIVER BASIN

Bluegoose Lake

Latitude 50°00'; Longitude 84°08'

GROUP	GENUS	June 11/71	June 23/71	July 1/71	July 18/71	July 27/71	Aug. 15/71	Aug. 28/71	Sept. 9/71	Sept. 27/71			
GREEN	Oedogonium												
	Oocystis	1	25	8	23	9	7	21	20	23			
	Ophiocytium												
	Pediastrum		18	5	11		8		2	13			
	Quadrigula	55	17		61	9		4	35				
	Scenedesmus	1		39	17	19	4	10	11	3			
	Schroederia												
	Selenastrum		6	1	23		7		P				
	Sphaerocystis												
	Spondylosium												
	Staurastrum	7		11									
	Tetraëdron	1	2	2									
	Treubaria												
	Ulothrix												
	Pectodictyon												
	Unknown Green												

Units are given in Areal Standard Units per millilitre

P = Present



TABLE 69  
PHYTOPLANKTON  
ALBANY RIVER BASIN

Bluejay Lake

Latitude 50°02'; Longitude 84°08'

GROUP	GENUS	June 11/71	June 23/71	July 1/71	July 18/71	July 27/71	Aug. 15/71	Aug. 28/71	Sept. 9/71	Sept. 27/71			
BLUE GREEN	Anabaena				1			1					
	Aphanizomenon												
	Aphanocapsa												
	Aphanothece					2							
	Chroococcus	P	2	29	19	26	14	12	17	19			
	Coelosphaerium												
	Dactylococcopsis				8			5					
	Gloeocapsa												
	Gloeotheca												
	Gomphosphaeria												
	Lyngbya												
	Marssoniella												
	Merismopedia												
	Microcystis												
	Nostoc												
	Oscillatoria		1		1								
	Pelodictyon												
	Pelogloea												
	Phormidium												
	Rhaboderma												
	Tetrapedia												
	Stiruline												
	Syctonema												

Units are given in Areal Standard Units per millilitre  
P = Present

TABLE 70  
PHYTOPLANKTON  
ALBANY RIVER BASIN

Bluejay Lake

Latitude 50°02'; Longitude 84°08'

GROUP	GENUS	June 11/71	June 23/71	July 1/71	July 18/71	July 27/71	Aug. 15/71	Aug. 28/71	Sept. 9/71	Sept. 27/71			
DIATOMS	Achnanthes												
	Amphiprora												
	Amphora												
	Asterionella												
	Attheya												
	Cyclotella	2	55	49	25	51	27	24	13	16			
	Cymbella												
	Diatoma												
	Epithemia												
	Eunotia												
	Fragilaria			1									
	Melosira												
	Navicula									1			
	Nitzschia		1		P			5					
	Pinnularia												
	Rhizosolenia		1					3					
	Stauroneis		8										
	Surirella												
	Stephanodiscus												
	Synedra		2	1			P	1					
	Tabellaria				6								
	Cymatopleura												
	Cocconeis												
	Caloneis												
	Frustulia												
	Gyrosigma												
	Unknown Diatom												

Units are given in Areal Standard Units per millilitre  
P = Present

TABLE 71  
PHYTOPLANKTON  
ALBANY RIVER BASIN

Bluejay Lake

Latitude 50°02'; Longitude 84°08'

GROUP	GENUS	June 11/71	June 23/71	July 1/71	July 18/71	July 27/71	Aug. 15/71	Aug. 28/71	Sept. 9/71	Sept. 27/71			
FLAGELLATES	Carteria												
	Ceratium												
	Chlamydomonas	P	P	1	1	1	1	1	4	P			
	Chlorogonium												
	Chrysophyte					P							
	Cryptomonas					1		3	2	10			
	Dinobryon		1	6	1	1	3	17	17	1			
	Euglena												
	Flagellated Chrysophyte							1					
	Glenodinium				9								
	Mallomonas												
	Ochromonas												
	Peridinium				2	11							
	Phacus												
	Rhodomonas				2	1	1	2	1	1			
	Synura												
	Trachelomonas												
	Unknown Chrysophyte												
	Pandorina						3		6	P			
	Stipitococcus												

Units are given in Areal Standard Units per millilitre

P = Present

TABLE 72  
PHYTOPLANKTON  
ALBANY RIVER BASIN

Bluejay Lake

Latitude 50°02'; Longitude 84°08'

GROUP	GENUS	June 11/71	June 23/71	July 1/71	July 18/71	July 27/71	Aug. 15/71	Aug. 28/71	Sept. 9/71	Sept. 27/71			
GREEN	Actinastrum												
	Ankistrodesmus							P	5	1			
	Arthrodesmus												
	Bitrichia				1	1	2						
	Botryococcus		1				8			3			
	Characium												
	Closterium												
	Coelastrum				2								
	Cosmarium												
	Crucigenia				1	1	1	P		1			
	Dictyosphaerium												
	Elakatothrix		1	2						2			
	Gloeocystis												
	Golenkinia												
	Kirchneriella												
	Lagerheimia												
	Micractinium												
	Mougeotia												
	Nephrocystium												
	Euastrum												
	Desmidium												

Units are given in Areal Standard Units per millilitre

P = Present

TABLE 72 (Cont.)  
PHYTOPLANKTON  
ALBANY RIVER BASIN

Bluejay Lake		Latitude 50°02'; Longitude 84°08'												
GROUP	GENUS	June 11/71	June 23/71	July 1/71	July 18/71	July 27/71	Aug. 15/71	Aug. 28/71	Sept. 9/71	Sept. 27/71				
GREEN	Oedogonium	P												
	Oocystis			P		11	7	4	1	6	5			
	Ophiocytium													
	Pediastrum													
	Quadrigula													
	Scenedesmus				P			3	3					
	Schroederia													
	Selenastrum				1	4	3	6	9	3	1			
	Sphaerocystis													
	Spondylosium													
	Staurastrum										P			
	Tetraëdron													
	Treubaria													
	Ulothrix													
	Pectodictyon													
Unknown Green														

Units are given in Areal Standard Units per millilitre  
P = Present

TABLE 73  
PHYTOPLANKTON  
ALBANY RIVER BASIN

Lingen Lake

Latitude 51°55'; Longitude 85°15'

GROUP	GENUS	June 7/71	June 14/71	June 25/71	July 15/71	July 23/71	Aug. 1/71	Aug. 14/71	Sept. 3/71	Sept. 25/71			
BLUE GREEN	Anabaena	229	37			47	124	118	410	382			
	Aphanizomenon								45				
	Aphanocapsa	364		326			603	63	1243				
	Aphanothece	3155	1480	9598	2230	5551	2897	5684	2153	5716			
	Chroococcus	194	40	182	359	95	560	88	102	234			
	Coelosphaerium												
	Dactylococcopsis	P			9								
	Gloeocapsa												
	Gloeotheca												
	Gomphosphaeria	419	P		98	20	723			78			
	Lyngbya	387	60	1067	546	653	396	595	949	210			
	Marssoniella												
	Merismopedia	238								7			
	Microcystis	P		50	2304								
	Nostoc												
	Oscillatoria		32	48	18								
	Pelodictyon												
	Pelogloea												
	Phormidium												
	Rhaboderma												
	Tetrapedia												
	Spirulina												
	Syctonema												

Units are given in Areal Standard Units per millilitre  
P = Present

TABLE 74  
PHYTOPLANKTON  
ALBANY RIVER BASIN

Lingen Lake

Latitude 51°55'; Longitude 85°15'

GROUP	GENUS	June 7/71	June 14/71	June 25/71	July 15/71	July 23/71	Aug. 1/71	Aug. 14/71	Sept. 3/71	Sept. 25/71			
DIATOMS	Achnanthes												
	Amphiprora												
	Amphora												
	Asterionella	100	109	200									
	Attheya												
	Cyclotella	20	102		21	35	23	21	109				
	Cymbella												
	Diatoma												
	Epithemia												
	Eunotia												
	Fragilaria	P			480	P	45	42	1683				
	Melosira												
	Navicula				20								
	Nitzschia	17	7	29	11	41	5	23	55				
	Pinnularia												
	Rhizosolenia	222	259	256			1						
	Stauroneis												
	Surirella												
	Stephanodiscus												
	Synedra	193	37		73	49		28					
	Tabellaria	137	62	2286	640	262	535		484				
	Cymatopleura												
	Cocconeis												
	Caloneis												
	Frustulia												
	Gyrosigma												
	Unknown Diatom												

Units are given in Areal Standard Units per millilitre  
P = Present

TABLE 75  
PHYTOPLANKTON  
ALBANY RIVER BASIN

Lingen Lake		Latitude 51°55'; Longitude 85°15'												
GROUP	GENUS	June 7/71	June 14/71	June 25/71	July 15/71	July 23/71	Aug. 1/71	Aug. 14/71	Sept. 3/71	Sept. 25/71				
FLAGELLATES	Carteria													
	Ceratium													
	Chlamydomonas	50	65	18	6	3	7		48	40				
	Chlorogonium													
	Cryptomonas	34	P				12			10				
	Dinobryon	61	11	38		235	33	36	213					
	Euglena													
	Glenodinium					15								
	Mallomonas													
	Pandorina													
	Ochromonas													
	Peridinium	P				P	12							
	Phacus													
	Rhodomonas						46	14	29					
	Synura						3							
	Trachelomonas													
Unknown Chrysophyte				240		9	88	63	89	61				
Chrysophyte														
Stipitococcus														

Units are given in Areal Standard Units per millilitre  
P = Present



TABLE 76  
PHYTOPLANKTON  
ALBANY RIVER BASIN

Lingen Lake

Latitude 51°55'; Longitude 85°15'

GROUP	GENUS	June 7/71	June 14/71	June 25/71	July 15/71	July 23/71	Aug. 1/71	Aug. 14/71	Sept. 3/71	Sept. 25/71			
GREEN	Actinastrum												
	Ankistrodesmus		2										
	Arthrodesmus		20										
	Botryococcus	P			90	117	26	34					
	Characium												
	Closterium												
	Coelastrum	P	20	49			7		48				
	Cosmarium		12										
	Crucigenia	P	5		10	21	8	8	29	22			
	Desmidium		43										
	Dictyosphaerium								26				
	Elakatothrix		23							79			
	Golenkinia												
	Kirchneriella												
	Lagerheimia						6						
	Micractinium												
	Mougeotia												
	Nephrocytium								202				
	Euastrum												
	Bitrichia												

Units are given in Areal Standard Units per millilitre

P = Present

TABLE 76 (Cont.)  
PHYTOPLANKTON  
ALBANY RIVER BASIN

Lingen Lake

Latitude 51°55'; Longitude 85°15'

GROUP	GENUS	June 7/71	June 14/71	June 25/71	July 15/71	July 23/71	Aug. 1/71	Aug. 14/71	Sept. 3/71	Sept. 25/71			
GREEN	Oedogonium	P			63	190	45		917				
	Oocystis	60	209	28	96	56	17	16	35	40			
	Ophiocytium												
	Pediastrum	P		202	98		9		124	11			
	Quadrigula												
	Scenedesmus	286	20	454	140	137	142	81	243	87			
	Schroederia								23				
	Selenastrum				5								
	Sphaerocystis												
	Spondylosium												
	Staurastrum		P										
	Tetraëdron	23	6			8			3	63			
	Treubaria												
	Ulothrix								15	42			
	Pectodictyon												
	Unknown Green												

Units are given in Areal Standard Units per millilitre  
P = Present

TABLE 77  
PHYTOPLANKTON  
ALBANY RIVER BASIN

Lower Twin Lake Latitude 50°10'; Longitude 86°31'

GROUP	GENUS	June 12/71	June 26/71	July 20/71	July 25/71	Aug. 1/71	Aug. 15/71	Sept. 2/71	Sept. 15/71				
BLUE GREEN	Anabaena	9	22	9	133	117		77	170				
	Aphanizomenon		95	280	716	251		153	218				
	Aphanocapsa												
	Aphanothece			232					20				
	Chroococcus	8	1	2	2	6		42					
	Coelosphaerium												
	Dactylococcopsis												
	Gloeocapsa												
	Gloeotheca												
	Gomphosphaeria	51	8			161		19	100				
	Lyngbya	38	27	134	186	282		270	55				
	Marssoniella												
	Merismopedia			1									
	Microcystis				11	177							
	Nostoc												
	Oscillatoria	30	61	45	7	84		76	56				
	Pelodictyon												
	Pelogloea												
	Phormidium												
	Rhaboderma												
	Tetrapedia												
	Spirulina												
	Syctonema												

Units are given in Areal Standard Units per millilitre  
P = Present

TABLE 78  
PHYTOPLANKTON  
ALBANY RIVER BASIN

Lower Twin Lake

Latitude 50°10'; Longitude 86°31'

GROUP	GENUS	June 12/71	June 26/71	July 20/71	July 25/71	Aug. 1/71	Aug. 15/71	Sept. 2/71	Sept. 15/71				
DIATOMS	Achnanthes	5											
	Amphiprora												
	Amphora												
	Asterionella	177	4	3									
	Attheya												
	Cyclotella	22	9	30	13	9		8	4				
	Cymbella												
	Diatoma												
	Epithemia												
	Eunotia	2											
	Fragilaria	86		44	5			79	6				
	Melosira	388	10	74	24	99		P					
	Navicula												
	Nitzschia	P	2		9			6	19				
	Pinnularia												
	Rhizosolenia	31	3					41	16				
	Stauroneis							27					
	Surirella												
	Stephanodiscus				29	4							
	Synedra	145	29	55	17	30		32					
	Tabellaria	86			3								
	Unknown Diatom			20					101				
	Cymatopleura												
	Cocconeis												
	Caloneis												
	Frustulia												
	Gyrosigma												

Units are given in Areal Standard Units per millilitre  
P = Present

TABLE 79  
PHYTOPLANKTON  
ALBANY RIVER BASIN

Lower Twin Lake

Latitude 50°10'; Longitude 86°31'

GROUP	GENUS	June 12/71	June 26/71	July 20/71	July 25/71	Aug. 1/71	Aug. 15/71	Sept. 2/71	Sept. 15/71				
FLAGELLATES	Carteria												
	Ceratium												
	Chlamydomonas	66	15	14	8	13		9	11				
	Chlorogonium												
	Cryptomonas	47	26	3	24	7		38	29				
	Dinobryon	249	22	2		3		32	5				
	Euglena												
	Glenodinium				12								
	Mallomonas	28							5				
	Ochromonas							2					
	Peridinium		3	9	8	7		6					
	Phacus												
	Rhodomonas		75	8	3	15		34	36				
	Synura												
	Trachelomonas							7					
	Unknown Chrysophyte					3							
	Chrysophyte												
	Pandorina												
	Stipitococcus												

Units are given in Areal Standard Units per millilitre  
P = Present

TABLE 80  
PHYTOPLANKTON  
ALBANY RIVER BASIN

Lower Twin Lake

Latitude 50°10'; Longitude 86°31'

GROUP	GENUS	June 12/71	June 26/71	July 20/71	July 25/71	Aug. 1/71	Aug. 15/71	Sept. 2/71	Sept. 15/71				
GREEN	Actinastrum												
	Ankistrodesmus	18	8	17	12	12			24				
	Arthrodesmus												
	Bitrichia			3		3							
	Botryococcus												
	Characium			2									
	Closterium				P	7							
	Coelastrum												
	Cosmarium												
	Crucigenia	25	1		8								
	Dictyosphaerium												
	Elakatothrix												
	Gloeocystis					124							
	Golenkinia												
	Kirchneriella												
	Lagerheimia	1	P	P		P							
	Micractinium												
	Mougeotia												
	Nephrocytium												
	Euastrum												
	Desmidium												

Units are given in Areal Standard Units per millilitre  
P = Present

TABLE 80 (Cont.)  
PHYTOPLANKTON  
ALBANY RIVER BASIN

Lower Twin Lake

Latitude 50°10'; Longitude 86°31'

GROUP	GENUS	June 12/71	June 26/71	July 20/71	July 25/71	Aug. 1/71	Aug. 15/71	Sept. 2/71	Sept. 15/71				
GREEN	Oedogonium												
	Oocystis		P	4				6	2				
	Ophiocytium												
	Pediastrum		2	9	20	2							
	Quadrigula							5					
	Scenedesmus	1	2			1							
	Schroederia												
	Selenastrum	4	P	2	3			P					
	Sphaerocystis												
	Spondylosium					6							
	Staurastrum					36		P					
	Tetraëdron	10	3	3	1	2							
	Treubaria		1	3									
	Ulothrix												
	Pectodictyon												
	Unknown Green												

Units are given in Areal Standard Units per millilitre  
P = Present

TABLE 81  
PHYTOPLANKTON  
ALBANY RIVER BASIN

Lucy Lake

Latitude 50°18'; Longitude 87°13'

GROUP	GENUS	June 7/71	June 14/71	June 25/71	July 15/71	July 23/71	Aug. 1/71	Aug. 14/71	Sept. 3/71	Sept. 15/71	Sept. 25/71		
BLUE GREEN	Anabaena		1		41	23	19	23					
	Aphanizomenon									5			
	Aphanocapsa										75		
	Aphanothece				42	87	10	3	59	1167	22		
	Chroococcus	5	1	1	50	2	17	15	1	27	17		
	Coelosphaerium												
	Dactylococcopsis							P					
	Gloeocapsa												
	Gloeotheca												
	Gomphosphaeria									12	19		
	Lyngbya			217		266		14	23	12	4		
	Marssoniella												
	Merismopedia			1									
	Microcystis												
	Nostoc												
	Oscillatoria	173	430		142		39	51	6	7	20		
	Pelodictyon												
	Pelogloea												
	Phormidium												
	Rhaboderma												
	Tetrapedia									19			
	Spirulina												
	Syctonema												

Units are given in Areal Standard Units per millilitre  
P = Present



TABLE 82  
PHYTOPLANKTON  
ALBANY RIVER BASIN

Lucy Lake

Latitude 50°18'; Longitude 87°13'

GROUP	GENUS	June 7/71	June 14/71	June 25/71	July 15/71	July 23/71	Aug. 1/71	Aug. 14/71	Sept. 3/71	Sept. 15/71	Sept. 25/71		
DIATOMS	Achnanthes			1									
	Amphiprora												
	Amphora												
	Asterionella	3					3	8	23				
	Attheya												
	Cocconeis		6	4									
	Cyclotella	36	37	36	25	31	11	9	14	4	15		
	Cymbella				6								
	Diatoma												
	Epithemia												
	Eunotia			3		18							
	Fragilaria		9	15	9	75		39	44		50		
	Melosira	45	53		23	20	34	7	13		364		
	Navicula					5							
	Nitzschia	6	5			1	2	10	1				
	Pinnularia												
	Rhizosolenia	19							2				
	Stauroneis												
	Surirella												
	Stephanodiscus	34		13		6							
	Synedra	401	475	19	120	63	60	75	50	59	73		
	Tabellaria	43	7	27			24						
	Cymatopleura												
	Caloneis												
	Frustulia												
	Gyrosigma												
	Unknown Diatoms												

Units are given in Areal Standard Units per millilitre  
P = Present

TABLE 83  
PHYTOPLANKTON  
ALBANY RIVER BASIN

Lucy Lake

Latitude 50°18'; Longitude 87°13'

GROUP	GENUS	June 7/71	June 14/71	June 25/71	July 15/71	July 23/71	Aug. 1/71	Aug. 14/71	Sept. 3/71	Sept. 15/71	Sept. 25/71		
FLAGELLATES	Carteria										4		
	Ceratium							43	27				
	Chlamydomonas	13	22	2		4	3	4	1	7	2		
	Chlorogonium												
	Chrysophytes									6			
	Cryptomonas		11	6	6		25	13	12	28	29		
	Dinobryon	20	30	45	41	51	23	53	17	85	17		
	Euglena												
	Glenodinium				8								
	Mallomonas												
	Ochromonas												
	Peridinium	6	43			5	7	24	2	3	4		
	Phacus												
	Rhodomonas			4	4	26	14	11	4	17	11		
	Synura												
	Trachelomonas												
	Unknown Chrysophyte			43	2	13	P	10	2		2		
	Pandorina												
	Stipitococcus												

Units are given in Areal Standard Units per millilitre  
P = Present

TABLE 84  
PHYTOPLANKTON  
ALBANY RIVER BASIN

Lucy Lake

Latitude 50°18'; Longitude 87°13'

GROUP	GENUS	June 7/71	June 14/71	June 25/71	July 15/71	July 23/71	Aug. 1/71	Aug. 14/71	Sept. 3/71	Sept. 15/71	Sept. 25/71		
GREEN	Actinastrum												
	Ankistrodesmus	21	15	11	5	12	2	4	3	3	3		
	Arthrodesmus												
	Bitrichia			5	2		2	2	5	1			
	Botryococcus												
	Characium												
	Closterium												
	Coelastrum			5									
	Cosmarium	1		2		6							
	Crucigenia				3	6	1	4	2	1	2		
	Dictyosphaerium												
	Elakatothrix				2								
	Gloeocystis												
	Golenkinia				P				2				
	Kirchneriella												
	Lagerheimia	P			3	2	1	3			2		
	Micractinium												
	Mougeotia										3		
	Nephrocytium												
	Euastrum												
	Desmidium												

Units are given in Areal Standard Units per millilitre  
P = Present

TABLE 85 (Cont.)  
PHYTOPLANKTON  
ALBANY RIVER BASIN

Lucy Lake

Latitude 50°18'; Longitude 87°13'

GROUP	GENUS	June 7/71	June 14/71	June 25/71	July 15/71	July 23/71	Aug. 1/71	Aug. 14/71	Sept. 3/71	Sept. 15/71	Sept. 25/71		
GREEN	Oedogonium								10		12		
	Oocystis	1	2	2	12	11	18	6	10	18	14		
	Ophiocytium												
	Pediastrum			3	1			3	1	2	2		
	Quadrigula			1									
	Scenedesmus	2	3	1	17	8	6	12	1	1	3		
	Schroederia												
	Selenastrum							2	P				
	Sphaerocystis												
	Spondylosium						2	2	6				
	Staurastrum												
	Tetraëdron	1	6	7	P	6		P	1		2		
	Treubaria												
	Ulotrix												
	Unknown Green					18							
	Pectodictyon												
	Unknown Green												

Units are given in Areal Standard Units per millilitre  
P = Present

TABLE 85  
PHYTOPLANKTON  
ALBANY RIVER BASIN

String Bog

Latitude 51°31'; Longitude 85°44'

GROUP	GENUS	June 14/71	June 25/71	July 15/71	July 23/71	Aug. 1/71	Aug. 14/71	Sept. 3/71	Sept. 25/71				
BLUE GREEN	Anabaena	9	2										
	Aphanizomenon							7					
	Aphanocapsa												
	Aphanothece							112					
	Chroococcus	54		2		80							
	Coelosphaerium												
	Dactylococcopsis												
	Gloeocapsa												
	Gloeotheca												
	Gomphosphaeria						13						
	Lyngbya	1											
	Marssoniella												
	Merismopedia				4								
	Microcystis												
	Nostoc												
	Oscillatoria	3											
	Pelodictyon												
	Pelogloea												
	Phormidium												
	Rhaboderma												
	Tetrapedia												
	Spirulina												
	Syctonema												

Units are given in Areal Standard Units per millilitre  
P = Present

TABLE 86  
PHYTOPLANKTON  
ALBANY RIVER BASIN

String Bog

Latitude 51°31'; Longitude 85°44'

GROUP	GENUS	June 14/71	June 25/71	July 15/71	July 23/71	Aug. 1/71	Aug. 14/71	Sept. 3/71	Sept. 25/71				
DIATOMS	Achnanthes												
	Amphiprora												
	Amphora												
	Asterionella												
	Attheya												
	Caloneis	5											
	Cyclotella		1	5	3			1	1				
	Cymbella												
	Diatoma												
	Epithemia												
	Eunotia	1											
	Fragilaria												
	Frustulia	3											
	Melosira	9											
	Navicula	1	3	4									
	Nitzschia												
	Pinnularia			11									
	Rhizosolenia												
	Stuaroneis												
	Surirella												
	Stephanodiscus												
	Synedra												
	Tabellaria												
	Cymatopleura												
	Cocconeis												
	Gyrosigma												
	Unknown Diatom												

Units are given in Areal Standard Units per millilitre  
P = Present

TABLE 87  
PHYTOPLANKTON  
ALBANY RIVER BASIN

String Bog		Latitude 51°31'; Longitude 85°44'													
GROUP	GENUS	June 14/71	June 25/71	July 15/71	July 23/71	Aug. 1/71	Aug. 14/71	Sept. 3/71	Sept. 25/71						
FLAGELLATES	Carteria														
	Ceratium														
	Chlamydomonas	48	38	22	14	36	14	31	8						
	Chlorogonium														
	Cryptomonas	16	8	12	49		12	51							
	Dinobryon	21	4	5	44	99	3		126						
	Euglena	6													
	Glenodinium			2											
	Mallomonas		2	89	74	55									
	Ochromonas		P												
	Peridinium	5	5	21		15									
	Phacus														
	Rhodomonas														
	Stipitococcus	3	1												
	Synura		11												
	Trachelomonas														
	Unknown Chrysophyte			53	341	315	197	146	494						
	Chrysophyte														
	Pandorina														
	Unknown Flagellates								3						

Units are given in Areal Standard Units per millilitre  
P = Present

TABLE 88  
PHYTOPLANKTON  
ALBANY RIVER BASIN

String Bog		Latitude 51° 31'; Longitude 85° 44'													
GROUP	GENUS	June 14/71	June 25/71	July 15/71	July 23/71	Aug. 1/71	Aug. 14/71	Sept. 3/71	Sept. 25/71						
GREEN	Actinastrum														
	Ankistrodesmus														
	Arthrodesmus	7	1	1											
	Bitrichia			14	14	16	7	5							
	Botryococcus		8												
	Characium														
	Closterium	6	1				10								
	Coelastrum	2	P	6											
	Cosmarium	9	5	2	7		19								
	Crucigenia														
	Dictyosphaerium														
	Elakatothrix			5											
	Euastrum			4											
	Gloeocystis														
	Golenkinia														
	Kirchneriella														
	Lagerheimia														
	Micractinium														
	Mougeotia														
	Nephrocytium					36									
	Euastrum														
	Desmidium														

Units are given in Areal Standard Units per millilitre  
P = Present



TABLE 88 (Cont.)  
PHYTOPLANKTON  
ALBANY RIVER BASIN

String Bog

Latitude 51°31'; Longitude 85°44'

GROUP	GENUS	June 14/71	June 25/71	July 15/71	July 23/71	Aug. 1/71	Aug. 14/71	Sept. 3/71	Sept. 25/71				
GREEN	Oedogonium		14										
	Oocystis	21	37	51	33	39	26	55					
	Ophiocytium												
	Pediastrum			9									
	Quadrigula												
	Scenedesmus		P				1		8				
	Schroederia	11											
	Selenastrum							1					
	Sphaerocystis	5											
	Spondylosium								36				
	Staurastrum												
	Tetraëdron												
	Treubaria												
	Ulothrix												
	Pectopictyon												
	Unknown Green												

Units are given in Areal Standard Units per millilitre  
P = Present

TABLE 89  
PHYTOPLANKTON  
ALBANY RIVER BASIN

Wabemeig Lake			Latitude 51° 28'; Longitude 85° 35'										
GROUP	GENUS	June 7/71	June 14/71	June 25/71	July 15/71	July 23/71	Aug. 1/71	Aug. 14/71	Sept. 3/71	Sept. 25/71			
BLUE GREEN	Anabaena	154		327	549	1034	441		366	1512			
	Aphanizomenon						146		293	27			
	Aphanocapsa				810	880	126	103		1046			
	Aphanothece	8488		6533	984	1368	1768	8821	4189	3014			
	Chroococcus	361	9	885	170	304	563	9	69	343			
	Coelosphaerium												
	Dactylococcopsis		3										
	Gloeocapsa												
	Gloeotheca				1575	842	726						
	Gomphosphaeria				418				1522				
	Lyngbya	2411		1043	859	1276	1512	1176	3667	1744			
	Marssoniella												
	Merismopedia	23		50		1666	29		549				
	Microcystis	1799		297					4946	237			
	Nostoc												
	Oscillatoria												
	Pelodictyon												
	Pelogloea												
	Phormidium												
	Rhaboderma												
	Spirulina						95						
	Tetrapedia												
	Unknown Blue Green						91		149				
	Syctonemia												

Units are given in Areal Standard Units per millilitre

P = Present

TABLE 90  
PHYTOPLANKTON  
ALBANY RIVER BASIN

Wabemeig Lake		Latitude 51°28'; Longitude 85°35'										
GROUP	GENUS	June 7/71	June 14/71	June 25/71	July 15/71	July 23/71	Aug. 1/71	Aug. 14/71	Sept. 3/71	Sept. 25/71		
DIATOMS	Achnanthes											
	Amphiprora					P						
	Amphora											
	Asterionella		179		26				38	8		
	Attheya											
	Cyclotella	47	8	16	83	80	4		126	256		
	Cymbella		8	P								
	Diatoma											
	Epithemia											
	Eunotia											
	Fragilaria		P	P	50			70				
	Melosira	P	P	26								
	Navicula								101	17		
	Nitzschia	69	1					29		38		
	Pinnularia											
	Rhizosolenia											
	Stauroneis											
	Surirella					P						
	Stephanodiscus											
	Synedra	654	2	23	13	111	20	274	88	41		
	Tabellaria	114		481	212	495	103		256	119		
	Cymatopleura											
	Cocconeis											
	Caloneis											
	Frustulia											
	Gyrosigma											
	Unknown Diatom											

Units are given in Areal Standard Units per millilitre  
P = Present

TABLE 91  
PHYTOPLANKTON  
ALBANY RIVER BASIN

Wabemeig Lake

Latitude 51°28'; Longitude 85°35'

GROUP	GENUS	June 7/71	June 14/71	June 25/71	July 15/71	July 23/71	Aug. 1/71	Aug. 14/71	Sept. 3/71	Sept. 25/71			
FLAGELLATES	Carteria												
	Ceratium												
	Chlamydomonas	197	38	19	5	23			51	64			
	Chlorogonium												
	Cryptomonas		26										
	Dinobryon		62	91				11	175	72			
	Euglena						42 P						
	Glenodinium					33							
	Mallomonas												
	Ochromonas												
	Peridinium												
	Phacus							37	81				
	Rhodomonas												
	Stipitococcus		4										
	Synura												
	Trachelomonas												
	Unknown Chrysophyte			10	10			185	188	24			
	Chrysophyte												
	Pandorina												

Units are given in Areal Standard Units per millilitre  
P = Present

TABLE 92  
PHYTOPLANKTON  
ALBANY RIVER BASIN

Wabemeig Lake

Latitude 51°28'; Longitude 85°35'

GROUP	GENUS	June 7/71	June 14/71	June 25/71	July 15/71	July 23/71	Aug. 1/71	Aug. 14/71	Sept. 3/71	Sept. 25/71			
GREEN	Actinastrum												
	Ankistrodesmus	22	4	14	21	33	26		28	24			
	Arthrodesmus					P	P						
	Bitrichia									16			
	Botryococcus		8	P		P	P						
	Characium												
	Closterium												
	Coelastrum	P		31					21				
	Cosmarium			P		P							
	Crucigenia	20	3	22		9	13	16		10			
	Dictyosphaerium	23				9		45		11			
	Elakatothrix												
	Gloeocystis				P					56			
	Golenkinia		1										
	Kirchneriella				60								
	Lagerheimia		2	4	6		6	7	45				
	Micractinium												
	Mougeotia								136				
	Nephrocytium												
	Euastrum												
	Desmidium												

Units are given in Areal Standard Units per millilitre  
P = Present

TABLE 92 (Cont.)  
PHYTOPLANKTON  
ALBANY RIVER BASIN

Wabemeig Lake

Latitude 51°28'; Longitude 85°35'

GROUP	GENUS	June 7/71	June 14/71	June 25/71	July 15/71	July 23/71	Aug. 1/71	Aug. 14/71	Sept. 3/71	Sept. 25/71			
GREEN	Oedogonium			360	P	38	250			87			
	Oocystis	114	72	111	62	479	328	82	22	69			
	Ophiocytium					80							
	Pectodictyon					27				16			
	Pediastrum	65	8	40	17								
	Quadrigula					P							
	Scenedesmus	538	3	163	82	137	73	15	98	42			
	Schroederia						9						
	Selenastrum												
	Sphaerocystis					21							
	Spondylosium				11	16							
	Staurastrum	P		357	190	48	P	38	43	43			
	Tetraedron	17			2	36		47	27	50			
	Treubaria												
	Ulothrix								84				
	Unknown Green								12				

Units are given in Areal Standard Units per millilitre

P = Present

TABLE 93  
PHYTOPLANKTON  
ATTAWAPISKAT RIVER BASIN

Streatfield Lake Latitude 52°08'; Longitude 85°53'

GROUP	GENUS	June 7/71	June 14/71	June 25/71	July 15/71	July 23/71	Aug. 1/71	Aug. 14/71	Sept. 3/71	Sept. 25/71			
BLUE GREEN	Anabaena		P	P	701	213		464		365			
	Aphanizomenon				120	38		138		274			
	Aphanocapsa		670		P	1007		249	784				
	Aphanothece	3565	544	25637	776	495	7234	253	8627	9474			
	Chroococcus	1283	13	871	918	878	270	613	149	15			
	Coelosphaerium												
	Dactylococcopsis				20	10							
	Gloeocapsa												
	Gloeotheca				1512	292							
	Gomphosphaeria	171											
	Lyngbya	1883	1061	1140	1884	2286	3968	2035	2361	4247			
	Marssoniella												
	Merismopedia									111			
	Microcystis				1525								
	Nostoc												
	Oscillatoria		P			13							
	Pelodictyon												
	Pelogloea												
	Phormidium												
	Rhaboderma												
	Tetrapedia												
	Spirulina												
	Syctonema												

Units are given in Areal Standard Units per millilitre

P = Present

TABLE 94  
PHYTOPLANKTON  
ATTAWAPISKAT RIVER BASIN

Streatfield Lake			Latitude 52°08'; Longitude 85°53'										
GROUP	GENUS	June 7/71	June 14/71	June 25/71	July 15/71	July 23/71	Aug. 1/71	Aug. 14/71	Sept. 3/71	Sept. 25/71			
DIATOMS	Achnanthes		3										
	Amphiprora												
	Amphora												
	Asterionella												
	Attheya												
	Cyclotella		17		99	16	17		9				
	Cymbella												
	Diatoma												
	Epithemia												
	Eunotia								5				
	Fragilaria	400											
	Gyrosigma	571											
	Melosira												
	Navicula										58		
	Nitzschia	21	6	93		18	88	5					
	Pinnularia			P									
	Rhizosolenia	79	32	171									
	Stauroneis												
	Surirella					P							
	Stephanodiscus												
	Synedra	119	77	43			60	34	26	40	274		
	Tabellaria		64	P		P	P				422		
	Cymatopleura												
Cocconeis													
Caloneis													
Frustulia													
Unknown Diatom													

Units are given in Areal Standard Units per millilitre

P = Present



TABLE 95  
PHYTOPLANKTON  
ATTAWAPISKAT RIVER BASIN

Streatfield Lake				Latitude 52°08'; Longitude 85°53'									
GROUP	GENUS	June 7/71	June 14/71	June 25/71	July 15/71	July 23/71	Aug. 1/71	Aug. 14/71	Sept. 3/71	Sept. 25/71			
FLAGELLATES	Carteria												
	Ceratium												
	Chlamydomonas	100	58	89	8	4	85	8	63	59			
	Chlorogonium												
	Cryptomonas		P					16		33			
	Dinobryon		217	98			38	77		56			
	Euglena												
	Mallomonas												
	Ochromonas												
	Peridinium		23	P									
	Phacus												
	Rhodomonas					11	12	3					
	Stipitococcus		39										
	Synura												
	Trachelomonas												
Unknown Chrysophyte							93	19	83	113			
Chrysophyte													
Glenodinium													
Panorina													

Units are given in Areal Standard Units per millilitre

P = Present

TABLE 96  
PHYTOPLANKTON  
ATTAWAPISKAT RIVER BASIN

Streatfield Lake

Latitude 52°08'; Longitude 85°53'

GROUP	GENUS	June 7/71	June 14/71	June 25/71	July 15/71	July 23/71	Aug. 1/71	Aug. 14/71	Sept. 3/71	Sept. 25/71			
GREEN	Actinastrum												
	Ankistrodesmus				14	3		15					
	Arthrodesmus				142								
	Botryococcus					P		50					
	Characium												
	Closterium	76											
	Coelastrum	19				P			36	16			
	Cosmarium	88	17			17			66				
	Crucigenia	128	15	135	54	33	70	26	101	20			
	Dictyosphaerium		35										
	Elakatothrix												
	Euastrum								115				
	Gloeocystis								16				
	Golenkinia												
	Kirchneriella		P										
	Lagerheimia						6			8			
	Micractinium		2										
	Mougeotia		114			178	64	42	914	141			
	Nephrocytium												
	Bitrichia												
	Desmidium												

Units are given in Areal Standard Units per millilitre  
P = Present

TABLE 96 (Cont.)  
PHYTOPLANKTON  
ATTAWAPISKAT RIVER BASIN

Streatfield Lake

Latitude 52°08'; Longitude 85°53'

GROUP	GENUS	June 7/71	June 14/71	June 25/71	July 15/71	July 23/71	Aug. 1/71	Aug. 14/71	Sept. 3/71	Sept. 25/71			
GREEN	Oedogonium			36	114	89		42					
	Oocystis	58	4	83	443	98	18	80	146	125			
	Ophiocytium												
	Pediastrum	49			16	P	36		47				
	Quadrigula			P	P								
	Scenedesmus	490	53	640	653	328	481	331	417	246			
	Schroederia												
	Selenastrum												
	Sphaerocystis												
	Spondylosium				P	7		6					
	Staurastrum		P		106	25		8	54				
	Tetraëdron	14	21	13	4	15	27	18	23				
	Treubaria												
	Ulothrix												
	Unknown Green						20						
	Pectodictyon												

Units are given in Areal Standard Units per millilitre

P = Present

TABLE 97  
PHYTOPLANKTON  
MOOSE RIVER BASIN

Brunswick Lake Latitude 49°00'; Longitude 83°23'

GROUP	GENUS	June 8/71	June 22/71	July 3/71	July 17/71	July 29/71	Aug. 17/71	Aug. 27/71	Sept. 28/71				
BLUE GREEN	Anabaena		5	42	21	23	193	369	478				
	Aphanizomenon				34	20	413	1041	847				
	Aphanocapsa			118	103								
	Aphanothece		7	3	83	61	168	98					
	Chroococcus	2	9	21	91	27	13	51	53				
	Coelosphaerium												
	Dactylococcopsis				1	3		P					
	Gloeocapsa												
	Gloeotheca												
	Gomphosphaeria			16	38	31	22	79					
	Lyngbya	4		3	8	2	173	889	68				
	Marssoniella												
	Merismopedia												
	Microcystis					2			51				
	Nostoc												
	Oscillatoria		3	7	9	47	35	5	98				
	Pelodictyon												
	Pelogloea												
	Phormidium												
	Rhaboderma												
	Tetrapedia												
	Spirulina												
	Syctonema												

Units are given in Areal Standard Units per millilitre

P = Present

TABLE 98  
PHYTOPLANKTON  
MOOSE RIVER BASIN

Brunswick Lake

Latitude 49°00'; Longitude 83°23'

GROUP	GENUS	June 8/71	June 22/71	July 3/71	July 17/71	July 29/71	Aug. 17/71	Aug. 27/71	Sept. 28/71				
DIATOMS	Achnanthes												
	Amphiprora												
	Amphora												
	Asterionella	4											
	Attheya												
	Cyclotella	14	58	44	13	11	21	62	56				
	Cymbella							10					
	Diatoma												
	Epithemia												
	Eunotia												
	Fragilaria								7				
	Melosira	103	34	4	10	91	97		51				
	Navicula												
	Nitzschia	12	3		3		3	19	14				
	Pinnularia												
	Rhizosolenia				5				34				
	Stauroneis												
	Surirella												
	Stephanodiscus				5			98					
	Synedra	106	6		2		4	37					
	Tabellaria		5										
	Cymatopleura												
	Cocconeis												
	Caloneis												
	Frustulia												
	Gyrosigma												
	Unknown Diatom												

Units are given in Areal Standard Units per millilitre  
P = Present

TABLE 99  
PHYTOPLANKTON  
MOOSE RIVER BASIN

Brunswick Lake

Latitude 49°00'; Longitude 83°23'

GROUP	GENUS	June 8/71	June 22/71	July 3/71	July 17/71	July 29/71	Aug. 17/71	Aug. 27/71	Sept. 28/71				
FLAGELLATES	Carteria					7		288					
	Ceratium				3	2	19	45	62				
	Chlamydomonas	10	55	90									
	Chlorogonium												
	Cryptomonas	14	11	10	5	5	28	93	93				
	Dinobryon	352						21	31				
	Euglena												
	Mallomonas		1										
	Ochromonas	1											
	Peridinium												
	Phacus												
	Rhodomonas				25	14	2	113	65				
	Synura												
	Trachelomonas												
	Unknown Chrysophyte				1	3			57				
	Chrysophyte												
	Glenodinium												
	Pandorina												
	Stipitococcus												

Units are given in Areal Standard Units per millilitre

P = Present

TABLE 100  
PHYTOPLANKTON  
MOOSE RIVER BASIN

Brunswick Lake		Latitude 49°00'; Longitude 83°23'													
GROUP	GENUS	June 8/71	June 22/71	July 3/71	July 17/71	July 29/71	Aug. 17/71	Aug. 27/71	Sept. 28/71						
GREEN	Actinastrum														
	Ankistrodesmus	2	5	13	3		12	28	34						
	Arthrodesmus														
	Bitrichia				1		2								
	Botryococcus			19	19										
	Characium														
	Closterium		5		3	4	14	19	49						
	Coelastrum		2					8							
	Cosmarium														
	Crucigenia		11	4	2	2	6								
	Dictyosphaerium				43										
	Elakatothrix		P						24						
	Gloeocystis														
	Golenkinia														
	Kirchneriella														
	Lagerheimia														
	Micractinium														
	Mougeotia														
	Nephrocytium														
	Euastrum														
	Dismidium														

Units are given in Areal Standard Units per millilitre  
P = Present

TABLE 100 (Cont.)  
PHYTOPLANKTON  
MOOSE RIVER BASIN

Brunswick Lake

Latitude 49°00'; Longitude 83°23'

GROUP	GENUS	June 8/71	June 22/71	July 3/71	July 17/71	July 29/71	Aug. 17/71	Aug. 27/71	Sept. 28/71				
GREEN	Oedogonium												
	Oocystis	2	1	30	33	17	7	19					
	Ophiocytium												
	Pediastrum					2							
	Quadrigula												
	Scenedesmus	3	2				9		50				
	Schroederia												
	Selenastrum								3				
	Sphaerocystis												
	Spondylosium				2								
	Staurastrum												
	Tetraëdron		1			1			1				
	Treubaria												
	Ulothrix												
	Pectodictyon												
	Unknown Green												

Units are given in Areal Standard Units per millilitre

P = Present



TABLE 101  
PHYTOPLANKTON  
MOOSE RIVER BASIN

Pierre Lake

Latitude 49°31'; Longitude 80°44'

GROUP	GENUS	June 8/71	June 22/71	July 2/71	July 19/71	July 29/71	Aug. 17/71	Aug. 27/71	Sept. 30/71				
BLUE GREEN	Anabaena		3	188	P	3	138	121	29				
	Aphanizomenon				36	168	177	196	45				
	Aphanocapsa												
	Aphanothece			30			89						
	Chroococcus	2	6	9	27	41	59	48	18				
	Coelosphaerium					260							
	Dactylococcopsis	P				14							
	Gloeocapsa												
	Gloeotheca												
	Gomphosphaeria			44	19	P	P	22	73				
	Lyngbya						22	22					
	Marssoniella												
	Merismopedia												
	Microcystis												
	Nostoc												
	Oscillatoria	7	12		P	79	84	253	647				
	Pelodictyon												
	Pelogloea												
	Phormidium												
	Rhaboderma												
	Tetrapedia												
	Spirulina												
	Syctonema												

Units are given in Areal Standard Units per millilitre

P = Present

TABLE 102  
PHYTOPLANKTON  
MOOSE RIVER BASIN

Pierre Lake		Latitude 49°31'; Longitude 80°44'											
GROUP	GENUS	June 8/71	June 22/71	July 2/71	July 19/71	July 29/71	Aug. 17/71	Aug. 27/71	Sept. 30/71				
DIATOMS	Achnanthes												
	Amphiprora												
	Amphora												
	Asterionella	7	2		P	142	103	12					
	Attheya						22						
	Cyclotella	1	2		4	5	3						
	Cymbella				16			2					
	Diatoma	3											
	Epithemia												
	Eunotia						1						
	Fragilaria					P							
	Melosira	68	18	27	67	157	402	321	156				
	Navicula												
	Nitzschia	9	8	2	4	6	5	12					
	Pinnularia												
	Rhizosolenia			24									
	Stauroneis												
	Surirella												
	Stephanodiscus				P	55	92	P					
	Synedra	12	10	6		2	7						
	Tabellaria	75	9		P	P	54	32	34				
	Cymatopleura												
	Cocconeis												
	Caloneis												
	Frustulia												
	Gyrosigma												
	Unknown Diatom												

Units are given in Areal Standard Units per millilitre  
P = Present

TABLE 103  
PHYTOPLANKTON  
MOOSE RIVER BASIN

Pierre Lake		Latitude 49°31'; Longitude 80°44'													
GROUP	GENUS	June 8/71	June 22/71	July 2/71	July 19/71	July 29/71	Aug. 17/71	Aug. 27/71	Sept. 30/71						
FLAGELLATES	Carteria														
	Ceratium														
	Chlamydomonas	49	53	89	5	5	7	10	4						
	Chlorogonium														
	Chrysophyte					2									
	Cryptomonas	26	2	8	36	10	13		17						
	Dinobryon	128	4				47	42	3						
	Euglena														
	Mallomonas			5											
	Ochromonas														
	Peridinium					7									
	Phacus														
	Rhodomonas				15	5	7	22	57						
	Synura				8	9	5								
	Trachelomonas						6								
	Unknown Chrysophyte							9	23						
	Glenodinium								1						
	Pandorina														
	Stipitococcus														

Units are given in Areal Standard Units per millilitre  
P = Present

TABLE 104  
PHYTOPLANKTON  
MOOSE RIVER BASIN

Pierre Lake

Latitude 49°31'; Longitude 80°44'

GROUP	GENUS	June 8/71	June 22/71	July 2/71	July 19/71	July 29/71	Aug. 17/71	Aug. 27/71	Sept. 30/71				
GREEN	Actinastrum												
	Ankistrodesmus	1	1	5	3	3	2	29	3				
	Arthrodesmus												
	Botryococcus				28		75						
	Characium												
	Closterium		2	1		6	1						
	Coelastrum							P					
	Cosmarium												
	Crucigenia		P	3		2	2						
	Dictyosphaerium												
	Elakatothrix												
	Gloeocystis												
	Golenkinia												
	Kirchneriella												
	Lagerheimia												
	Micractinium												
	Mougeotia												
	Nephrocytium												
	Euastrum												
	Bitrichia												
	Desmidium												

Units are given in Areal Standard Units per millilitre  
P = Present

TABLE 104 (Cont.)  
PHYTOPLANKTON  
MOOSE RIVER BASIN

Pierre Lake

Latitude 49°31'; Longitude 80°44'

GROUP	GENUS	June 8/71	June 22/71	July 2/71	July 19/71	July 29/71	Aug. 17/71	Aug. 27/71	Sept. 30/71				
GREEN	Oedogonium			13	3	11		2					
	Oocystis	P											
	Ophiocytium												
	Pediastrum	1	2			61							
	Quadrigula												
	Scenedesmus				30	2	4		1				
	Schroederia												
	Selenastrum		P										
	Sphaerocystis			3									
	Spondylosium												
	Staurastrum							P					
	Tetraëdron	1											
	Treubaria												
	Ulothrix												
	Pectodictyon												
	Unknown Green												

Units are given in Areal Standard Units per millilitre  
P = Present

TABLE 105  
PHYTOPLANKTON  
MOOSE RIVER BASIN

Remi Lake

Latitude 49°25'; Longitude 82°10'

GROUP	GENUS	June 9/71	June 22/71	July 4/71	July 18/71	July 30/71	Aug. 17/71	Aug. 27/71	Sept. 10/71				
BLUE GREEN	Anabaena	8	49	41	328	452	1127	264	63				
	Aphanizomenon	P			589	235	140	147	136				
	Aphanocapsa		62		9	321							
	Aphanothece		24	1500	778		13	630	905				
	Chroococcus	9	16	22	71	4	17	2	32				
	Coelosphaerium												
	Dactylococcopsis		1			4							
	Gloeocapsa												
	Gloeotheca												
	Gomphosphaeria		30	3		34	157	359					
	Lyngbya		1	2	117	57	55	154	210				
	Marssoniella												
	Merismopedia		1					2	21				
	Microcystis				3								
	Nostoc												
	Oscillatoria	109	49	67		48	335	140					
	Pelodictyon												
	Pelogloea												
	Phormidium												
	Rhaboderma			1									
	Tetrapedia												
	Spirulina												
	Syctonema												

Units are given in Areal Standard Units per millilitre  
P = Present

TABLE 106  
PHYTOPLANKTON  
MOOSE RIVER BASIN

Remi Lake		Latitude 49°25'; Longitude 82°10'													
GROUP	GENUS	June 9/71	June 22/71	July 4/71	July 18/71	July 30/71	Aug. 17/71	Aug. 27/71	Sept. 10/71						
DIATOMS	Achnanthes		2		4			1	3						
	Amphiprora														
	Amphora														
	Asterionella	20			400	115	276	420							
	Attheya														
	Cyclotella	11	11	9	31	21	14	22	6						
	Cymatopleura					50									
	Cymbella					P		5							
	Diatoma														
	Epithemia														
	Eunotia	1					3	2							
	Fragilaria						101								
	Melosira	445	56	41	87	461	522	48	49						
	Navicula														
	Nitzschia		1	4		22	8								
	Pinnularia														
	Rhizosolenia			3	28	50		5	29						
	Stauroneis														
	Surirella														
	Stephanodiscus	32				25			82						
	Synedra	58	5			1		52							
	Tabellaria	70		57			40	P							
	Cocconeis														
	Caloneis														
	Frustulia														
	Gyrosigma														
	Unknown Diatom														

Units are given in Areal Standard Units per millilitre  
P = Present

TABLE 107  
PHYTOPLANKTON  
MOOSE RIVER BASIN

Remi Lake

Latitude 49°25'; Longitude 82°10'

GROUP	GENUS	June 9/71	June 22/71	July 4/71	July 18/71	July 30/71	Aug. 17/71	Aug. 27/71	Sept. 10/71				
FLAGELLATES	Carteria												
	Ceratium			P		P	106	60					
	Chlamydomonas	13	105	133	14	6	6	6	11				
	Chlorogonium												
	Cryptomonas	5	7		21	19	35	86	48				
	Dinobryon	70	4		14	20	42	53	93				
	Euglena							23					
	Mallomonas												
	Ochromonas		1		4								
	Peridinium	4							6				
	Phacus												
	Rhodomonas				35	12	6	48	78				
	Synura				4				2				
	Trachelomonas												
	Unknown Chrysophyte				43	4	2		64				
	Chrysophyte												
	Glenodinium												
	Pandorina												
	Stipitococcus												

Units are given in Areal Standard Units per millilitre  
P = Present



TABLE 108  
PHYTOPLANKTON  
MOOSE RIVER BASIN

Remi Lake

Latitude 49°25'; Longitude 82°10'

GROUP	GENUS	June 9/71	June 22/71	July 4/71	July 18/71	July 30/71	Aug. 17/71	Aug. 27/71	Sept. 10/71				
GREEN	Actinastrum												
	Ankistrodesmus	3	3	10	22	1	14	13					
	Arthrodesmus												
	Botryococcus		28	P									
	Characium												
	Closterium		3				15						
	Coelastrum	2						2	3				
	Cosmarium												
	Crucigenia		3		3	10	4	6	9				
	Dictyosphaerium								29				
	Elakatothrix							P					
	Gloeocystis												
	Golenkinia												
	Kirchneriella												
	Lagerheimia												
	Micractinium												
	Mougeotia												
	Nephrocytium												
	Euastrum												
	Bitrichia												
	Desmidium												

Units are given in Areal Standard Units per millilitre  
P = Present

TABLE 108 (Cont.)  
PHYTOPLANKTON  
MOOSE RIVER BASIN

Remi Lake

Latitude 49°25'; Longitude 82°10'

GROUP	GENUS	June 9/71	June 22/71	July 4/71	July 18/71	July 30/71	Aug. 17/71	Aug. 27/71	Sept. 10/71				
GREEN	Oedogonium												
	Oocystis		3	26	3	10	65	13					
	Ophiocytium												
	Pediastrum				2								
	Quadrigula												
	Scenedesmus	2	1	P	5	6			10				
	Schroederia												
	Selenastrum			1			1	5					
	Sphaerocystis												
	Spondylosium												
	Staurastrum			P					14				
	Tetraëdron		1	1	1	1		P					
	Treubaria												
	Ulotrix			30									
	Unknown Green				7				1				
	Pectodictyon												
	Unknown Green												

Units are given in Areal Standard Units per millilitre  
P = Present

TABLE 109  
PHYTOPLANKTON  
MOOSE RIVER BASIN

Saganash Lake

Latitude 49°04'; Longitude 82°35'

GROUP	GENUS	June 8/71	June 22/71	July 3/71	July 17/71	July 29/71	Aug. 17/71	Aug. 27/71	Sept. 28/71				
BLUE GREEN	Anabaena	1	7	13	16	400	1521	877	563				
	Aphanizomenon				34	108	329	130	175				
	Aphanocapsa												
	Aphanothece						23	135					
	Chroococcus	P	34	15	36	8	8	14					
	Coelosphaerium												
	Dactylococcopsis	2											
	Gloeocapsa												
	Gloeotheca												
	Gomphosphaeria	39	42	97	108	209	254		224				
	Lyngbya	32	45	91	656	785	286	460	101				
	Marssoniella												
	Merismopedia												
	Microcystis				39								
	Nostoc												
	Oscillatoria		14	31					214				
	Pelodictyon												
	Pelogloea												
	Phormidium												
	Rhaboderma												
	Tetrapedia												
	Spirulina												
	Syctonema												

Units are given in Areal Standard Units per millilitre  
P = Present

TABLE 110  
PHYTOPLANKTON  
MOOSE RIVER BASIN

Saganash Lake

Latitude 49°04'; Longitude 82°35'

GROUP	GENUS	June 8/71	June 22/71	July 3/71	July 17/71	July 29/71	Aug. 17/71	Aug. 27/71	Sept. 28/71				
DIATOMS	Achnanthes		1	12	2	12							
	Amphiprora												
	Amphora												
	Asterionella	5				6			30				
	Attheya												
	Cyclotella	20	29	21	9	10	11	23	10				
	Cymatopleura					250							
	Cymbella	2	3	1									
	Diatoma												
	Epithemia												
	Eunotia			5				11					
	Fragilaria					35							
	Melosira	8	58	19	30	84	355		49				
	Navicula		P		4								
	Nitzschia	7	8	2	13	2	7	13					
	Pinnularia												
	Rhizosolenia	3		23	19		12	9					
	Stauroneis												
	Surirella												
	Stephanodiscus	20							18				
	Synedra	3	24		7	11	23	52	2				
	Tabellaria				P								
	Cocconeis												
	Caloneis												
	Frustulia												
	Gyrosigma												
	Unknown Diatom												

Units are given in Areal Standard Units per millilitre  
P = Present

TABLE 111  
PHYTOPLANKTON  
MOOSE RIVER BASIN

Saganash Lake

Latitude 49°04'; Longitude 82°35'

GROUP	GENUS	June 8/71	June 22/71	July 3/71	July 17/71	July 29/71	Aug. 17/71	Aug. 27/71	Sept. 28/71				
FLAGELLATES	Carteria												
	Ceratium												
	Chlamydomonas	19	59	46	3	19	16	34	15				
	Chlorogonium												
	Cryptomonas	12	19	5	5			11	66				
	Dinobryon	17			4	6	30		211				
	Euglena												
	Mallomonas								10				
	Ochromonas												
	Peridinium					P							
	Phacus												
	Rhodomonas				1	3	3	22	114				
	Synura												
	Trachelomonas												
	Unknown Chrysophyte					3	5	50	10				
	Chrysophyte												
	Glenodinium												
	Pandorina												
	Stipitococcus												

Units are given in Areal Standard Units per millilitre

P = Present

TABLE 112  
PHYTOPLANKTON  
MOOSE RIVER BASIN

Saganash Lake		Latitude 49°04'; Longitude 82°35'											
GROUP	GENUS	June 8/71	June 22/71	July 3/71	July 17/71	July 29/71	Aug. 17/71	Aug. 27/71	Sept. 28/71				
GREEN	Actinastrum												
	Ankistrodesmus	3	5		13	9	24	10	28				
	Arthrodesmus												
	Bitrichia								6				
	Boltryococcus												
	Characium												
	Closterium	13	25	11	17	10	3						
	Coelastrum												
	Cosmarium		7										
	Crucigenia		2	4				7					
	Dictyosphaerium			4									
	Elakatothrix												
	Gloeocystis						65						
	Golenkinia												
	Kirchneriella								8				
	Lagerheimia					4							
	Micractinium												
	Mougeotia												
	Nephrocytium												
	Euastrum												
	Desmidiium												

Units are given in Areal Standard Units per millilitre  
P = Present

TABLE 112 (Cont.)  
PHYTOPLANKTON  
MOOSE RIVER BASIN

Saganash Lake		Latitude 49°04'; Longitude 82°35'											
GROUP	GENUS	June 8/71	June 22/71	July 3/71	July 17/71	July 29/71	Aug. 17/71	Aug. 27/71	Sept. 28/71				
GREEN	Oedogonium												
	Oocystis	1	6		P	3	3						
	Ophiocytium												
	Pediastrum		P			P							
	Quadrigula												
	Scenedesmus			1				11					
	Schroederia												
	Selenastrum	P											
	Sphaerocystis								54				
	Spondylosium				3								
	Staurastrum			P									
	Tetraëdron	P											
	Treubaria												
	Ulothrix												
	Unknown Green							257					
	Pectodictyon												

Units are given in Areal Standard Units per millilitre  
P = Present

TABLE 113  
PHYTOPLANKTON  
MOOSE RIVER BASIN

Shannon Lake

Latitude 49°47'; Longitude 83°33'

GROUP	GENUS		June 22/71	July 3/71	July 17/71	July 29/71	Aug. 17/71	Aug. 27/71	Sept. 28/71				
BLUE GREEN	Anabaena			16	P		67	321					
	Aphanizomenon												
	Aphanocapsa						12						
	Aphanothece			38			9		438				
	Chroococcus		6	74	21	13	6	22	15				
	Coelosphaerium												
	Dactylococcopsis												
	Gloeocapsa												
	Gloeotheca												
	Gomphosphaeria												
	Lyngbya						P						
	Marssoniella												
	Merismopedia					2							
	Microcystis												
	Nostoc												
	Oscillatoria		1										
	Pelodictyon												
	Pelogloea												
	Phormidium												
	Rhaboderma												
	Tetrapedia												
	Spirulina												
	Syctonema												

Units are given in Areal Standard Units per millilitre

P = Present



TABLE 114  
PHYTOPLANKTON  
MOOSE RIVER BASIN

Shannon Lake

Latitude 49°47'; Longitude 83°33'

GROUP	GENUS		June 22/71	July 3/71	July 17/71	July 29/71	Aug. 17/71	Aug. 27/71	Sept. 28/71				
DIATOMS	Achnanthes		1	6	3								
	Amphiprora				87								
	Amphora												
	Asterionella			5	9			11	47				
	Attheya												
	Cyclotella		1	7	26	P	14		15				
	Cymbella												
	Diatoma												
	Epithemia												
	Eunotia												
	Fragilaria		390	P			P		233				
	Melosira		183	162	P		P						
	Navicula		7	4			P						
	Nitzschia		8	21	30	1	5						
	Pinnularia												
	Rhizosolenia			4	184			3	34				
	Stauroneis												
	Surirella												
	Stephanodiscus												
	Synedra		12	56	11	2	3	8	24				
	Tabellaria				P			95					
	Cymatopleura												
	Cocconeis												
	Caloneis												
	Frustulia												
	Gyrosigma												
	Unknown Diatom												

Units are given in Areal Standard Units per millilitre  
P = Present

TABLE 115  
PHYTOPLANKTON  
MOOSE RIVER BASIN

Shannon Lake		Latitude 49°47'; Longitude 83°33'												
GROUP	GENUS		June 22/71	July 3/71	July 17/71	July 29/71	Aug. 17/71	Aug. 27/71	Sept. 28/71					
FLAGELLATES	Carteria													
	Ceratium			P	47									
	Chlamydomonas		47	22	24	2	1	4						
	Chlorogonium													
	Unknown Chrysophyte				40			1	123					
	Glenodinium													
	Cryptomonas		18	5	P			15	9					
	Dinobryon		234	419	104	9			185					
	Euglena			P										
	Mallomonas													
	Ochromonas													
	Peridinium			5	41									
	Phacus													
	Rhodomonas				4	3	12	37	49					
	Synura													
	Trachelomonas			4										
	Pandorina													
	Stipitococcus													

Units are given in Areal Standard Units per millilitre  
P = Present

TABLE 116  
PHYTOPLANKTON  
MOOSE RIVER BASIN

Shannon Lake

Latitude 49°47'; Longitude 83°33'

GROUP	GENUS		June 22/71	July 3/71	July 17/71	July 29/71	Aug. 17/71	Aug. 27/71	Sept. 28/71				
GREEN	Actinastrum												
	Ankistrodesmus		1		22	9	11	7	2				
	Arthrodesmus												
	Bitrichia						5						
	Botryococcus				11	P	P						
	Characium												
	Closterium												
	Coelastrum		3	14		3	20	11					
	Cosmarium		P										
	Crucigenia		11	8	16	7	20	10	40				
	Dictyosphaerium												
	Elakatothrix			7					24				
	Gloeocystis												
	Golenkinia						3	1					
	Kirchneriella					2	9						
	Lagerheimia				1		2	4	7				
	Micractinium												
	Mougeotia												
	Nephrocytium												
	Euastrum												
	Desmidium												

Units are given in Areal Standard Units per millilitre  
P = Present

TABLE 116 (Cont.)  
PHYTOPLANKTON  
MOOSE RIVER BASIN

Shannon Lake

Latitude 49°47'; Longitude 83°33'

GROUP	GENUS		June 22/71	July 3/71	July 17/71	July 29/71	Aug. 17/71	Aug. 27/71	Sept. 28/71				
GREEN	Oedogonium												
	Oocystis		20	21	25	13	59	34	61				
	Ophiocytium												
	Pediastrum		34	14	18	8	34	15	24				
	Quadrigula					P	32	7					
	Scenedesmus		4	8	10	3	19	6	42				
	Schroederia			1									
	Selenastrum		2		5	2		3	7				
	Sphaerocystis							4					
	Spondylosium												
	Staurastrum			P									
	Tetraëdron		2	6	2	1	20						
	Treubaria												
	Ulothrix												
	Pectodictyon												
	Unknown Green												

Units are given in Areal Standard Units per millilitre  
P = Present

TABLE 117  
ZOOPLANKTON  
ALBANY RIVER BASIN

PHYLUM  
CLASS  
ORDER

Arthropoda  
Crustacea  
Cladocera

BOG LAKE

Latitude 51°31'; Longitude 85°44'

GENUS	SPECIES	July 15/71	July 23/71	Aug. 1/71	Aug. 14/71	Sept. 3/71	Sept. 25/71						
Acroperus	harpae												
Alona	affinis												
Alona	guttata												
Alona	sp.												
Allonella	sp.												
Bosmina	sp.	11	8	6		14	104						
Canthocamptus	oregonensis												
Ceriodaphnia	lacustris												
Ceriodaphnia	reticulata												
Ceriodaphnia	sp.												
Chydorus	sphaericus	7	16	40		28	128						
Daphnia	catawba						8						
Daphnia	galeata mendotae	3		1		14	8						
Daphnia	longiremis												
Daphnia	middendorffiana		1										
Daphnia	pulex												
Daphnia	retrocurva		1										
Daphnia	rosea												
Daphnia	sp.												
Diaphanosoma	leuchtenbergianum												
Eurycercus	lamellatus												
Holopedium	gibberum	20	16	44	420	28	344						
Leptodora	kindtii	1	1	3	12	42							
Macrothrix	sp.												
Ophryoxus	gracilis												
Pleuroxus	sp.												
Polyphemus	pediculus												
Rhynchotalona	falcata												
Sida	crystallina					14							
Streblocerus	serricaudatus												
Volume of Water Sampled in Litres		17.2	17.2	17.2	34.4	34.4	34.4						

TABLE 118  
ZOOPLANKTON  
ALBANY RIVER BASIN

PHYLUM  
CLASS  
ORDER

Arthropoda  
Crustacea  
Copepoda

BOG LAKE

Latitude 51°31'; Longitude 85°44'

GENUS	SPECIES	July 15/71	July 23/71	Aug. 1/71	Aug. 14/71	Sept. 3/71	Sept. 25/71						
SUB-ORDER Calanoida													
Diaptomus	oregonensis	5	3	8			272						
Diaptomus	minutus	6	3				24						
Diaptomus	sicilis						24						
Diaptomus	ashlandi												
Diaptomus	sp.		20	12	36	126							
Epischura	lacustris	2	2			14							
Limnocalanus	macrurus												
SUB-ORDER Harpacticoida													
Canthocamptus	oregonensis												
SUB-ORDER Cyclopoida													
Cyclops	bicuspidatus thomasi		5				48						
Cyclops	vernalis			2			8						
Cyclops	scutifer												
Cyclops	sp.	4	4	9	24	154	376						
Mesocyclops	edax			2	12		8						
Mesocyclops	leuckarti												
Eucyclops	agilis												
Tropocyclops	prasinus mexicanus		1										
Macrocyclus	alter												
Macrocyclus	albidus												
Immature	copepods = nauplii	2	6	18	48	28	8						
Ergasilus	sp. (parasitic copepod)												
Volume of water sampled in Litres		17.2	17.2	17.2	34.4	34.4	34.4						

TABLE 119  
ZOOPLANKTON  
ALBANY RIVER BASIN

PHYLUM Arthropoda  
CLASS Crustacea  
ORDER Cladocera

BLUEGOOSE LAKE

Latitude 50°00'; Longitude 84°04'

GENUS	SPECIES	June 11/71	June 23/71	July 1/71	July 18/71	July 27/71	Aug. 15/71	Aug. 28/71	Sept. 9/71	Sept. 27/71			
Acroperus	harpae												
Alona	affinis												
Alona	guttata												
Alona	sp.												
Allonella	sp.												
Bosmina	sp.	1	67	46	203	403	490	120	206	540			
Canthocamptus	oregonensis	1											
Ceriodaphnia	lacustris		11	3	8		28		58	36			
Ceriodaphnia	reticulata						14						
Ceriodaphnia	sp.					17							
Chydorus	sphaericus		3	2	11	4	56	96	35	12			
Daphnia	catawba												
Daphnia	galeata mendotae				1	1	14						
Daphnia	longiremis		2										
Daphnia	middendorffiana	20											
Daphnia	pulex												
Daphnia	retrocurva		6		5			84					
Daphnia	rosea												
Daphnia	sp.												
Diaphanosoma	leuchtenbergianum				1		28						
Eurycercus	lamellatus												
Holopedium	gibberum	1	28	8	16	44			51	36			
Leptodora	kindtii			2	8	11							
Macrothrix	sp.												
Ophryoxus	gracilis												
Pleuroxus	sp.												
Polyphemus	pediculus												
Rhynchotalona	falcata												
Sida	crystallina							24					
Streblocerus	serricaudatus												
Volume of Water Sampled in Litres		24.1	13.8	13.8	17.2	27.5	34.4	34.4	34.4	34.4			

TABLE 120  
ZOOPLANKTON  
ALBANY RIVER BASIN

PHYLUM  
CLASS  
ORDER

Arthropoda  
Crustacea  
Copepoda

BLUEGOOSE LAKE

Latitude 50°00'; Longitude 84°04'

GENUS	SPECIES	June 11/71	June 23/71	July 1/71	July 18/71	July 27/71	Aug. 15/71	Aug. 28/71	Sept. 9/71	Sept. 27/71			
<u>SUB-ORDER Calanoida</u>													
Diaptomus	oregonensis	4	19	4	17	8	14		9	24			
Diaptomus	minutus		1										
Diaptomus	sicilis												
Diaptomus	ashlandi												
Diaptomus	sp.	7	17	13	33	31	14 98	72	182	96			
Epischura	lacustris	1	1				14						
Limnocalanus	macrurus												
<u>SUB-ORDER Harpacticoida</u>													
Canthocamptus	oregonensis												
<u>SUB-ORDER Cyclopoida</u>													
Cyclops	bicuspidatus thomasi		17		3			24	1				
Cyclops	vernalis		6		7								
Cyclops	scutifer												
Cyclops	sp.			1	22	38	28	120	234	288			
Mesocyclops	edax	1	2		6	1		24					
Mesocyclops	leuckarti												
Eucyclops	agilis												
Tropocyclops	prasinus mexicanus												
Macrocyclus	alter												
Macrocyclus	albidus												
Immature	copepods = nauplii	1	6	6	7	47	28		51	48			
Ergasilus	sp. (parasitic copepod)												
Volume of water sampled in Litres		24.1	13.8	13.8	17.2	27.5	34.4	34.4	34.4	34.4			



TABLE 121  
ZOOPLANKTON  
ALBANY RIVER BASIN

PHYLUM  
CLASS  
ORDER

Arthropoda  
Crustacea  
Cladocera

BLUEJAY LAKE

Latitude 50°02'; Longitude 84°08'

GENUS	SPECIES	June 11/71	June 23/71	July 1/71	July 18/71	July 27/71	Aug. 15/71	Aug. 28/71	Sept. 20/71	Sept. 27/71			
Acroperus	harpae												
Alona	affinis												
Alona	guttata												
Alona	sp.												
Allonella	sp.												
Bosmina	sp.	10	12	24	10	60	10	36	50	50			
Canthocamptus	oregonensis												
Ceriodaphnia	lacustris												
Ceriodaphnia	reticulata												
Ceriodaphnia	sp.												
Chydorus	sphaericus												
Daphnia	catawba			60				12					
Daphnia	galeata mendotae							36					
Daphnia	longiremis												
Daphnia	middendorffiana	20				130	10			20			
Daphnia	pulex		12		170		200	348	240	1020			
Daphnia	retrocurva		12										
Daphnia	rosea												
Daphnia	sp.												
Diaphanosoma	leuchtenbergianum												
Eurycerus	lamellatus						10			70			
Holopedium	gibberum												
Leptodora	kindtii												
Macrothrix	sp.												
Ophryoxus	gracilis												
Pleuroxus	sp.												
Polyphemus	pediculus												
Rhynchotalona	falcata												
Sida	crystallina												
Streblocerus	serricaudatus												
Volume of Water Sampled in Litres		168.6	137.6	154.8	178.9	172.0	192.6	161.7	151.4	189.2			

TABLE 122  
ZOOPLANKTON  
ALBANY RIVER BASIN

PHYLUM  
CLASS  
ORDER

Arthropoda  
Crustacea  
Copepoda

BLUEJAY LAKE

Latitude 50°02'; Longitude 84°08'

GENUS	SPECIES	June 11/71	June 23/71	July 1/71	July 18/71	July 27/71	Aug. 15/71	Aug. 28/71	Sept. 9/71	Sept. 27/71			
<u>SUB-ORDER Calanoida</u>													
Diaptomus	oregonensis												
Diaptomus	minutus												
Diaptomus	sicilis												
Diaptomus	ashlandi	140	4872	3276	4810			2436		130			
Diaptomus	sp.	1880			30	4730	3580		2900	1480			
Epischura	lacustris	10	48	84	110	140	60	72	10	20			
Limnocalanus	macrurus												
<u>SUB-ORDER Harpacticoida</u>													
Canthocamptus	oregonensis												
<u>SUB-ORDER Cyclopoida</u>													
Cyclops	bicuspidatus thomasi			12	10	10	30	36		50			
Cyclops	vernalis												
Cyclops	scutifer	430	156	60	550	260	140	12	10				
Cyclops	sp.			204	650	650	50	432	400	350			
Mesocyclops	edax												
Mesocyclops	leuckarti												
Eucyclops	agilis												
Tropocyclops	prasinus mexicanus												
Macrocyclus	alter												
Macrocyclus	albidus												
Immature	copepods = nauplii	120	60	72	20	30		60	30	50			
Ergasilus	sp. (parasitic copepod)												
Volume of water sampled in Litres		168.6	137.6	154.8	178.9	172.0	192.6	161.7	151.4	189.2			

TABLE 123  
ZOOPLANKTON  
ALBANY RIVER BASIN

PHYLUM  
CLASS  
ORDER

Arthropoda  
Crustacea  
Cladocera

LINGEN LAKE

Latitude 51°55'; Longitude 85°15'

GENUS	SPECIES	June 7/71	June 25/71	July 15/71	July 23/71	Aug. 1/71	Aug. 14/71	Sept. 3/71	Sept. 25/71			
Acroperus	harpae											
Alona	affinis											
Alona	guttata											
Alona	sp.											
Allonella	sp.											
Bosmina	sp.	24	45	6	9	2	22	288	730			
Canthocamptus	oregonensis											
Ceriodaphnia	lacustris					1						
Ceriodaphnia	reticulata											
Ceriodaphnia	sp.											
Chydorus	sphaericus	3		3		5	22	72	110			
Daphnia	catawba								60			
Daphnia	galeata mendotae	8	29	30	20	10	53	216	510			
Daphnia	longiremis					1			10			
Daphnia	middendorffiana		5	7	3	2						
Daphnia	pulex											
Daphnia	retrocurva											
Daphnia	rosea					5						
Daphnia	sp.											
Diaphanosoma	leuchtenbergianum		3	2	5	4	21	24	10			
Eurycercus	lamellatus				1		8	24				
Holopedium	gibberum	8										
Leptodora	kindtii	1		1	1		9	216	30			
Macrothrix	sp.				1	1						
Ophryoxus	gracilis											
Pleuroxus	sp.											
Polyphemus	pediculus											
Rhynchotalona	falcata											
Sida	crystallina											
Streblocerus	serricaudatus											
Volume of Water Sampled in Litres		20.6	13.8	17.2	17.2	20.6	34.4	31.0	27.5			

TABLE 124  
ZOOPLANKTON  
ALBANY RIVER BASIN

PHYLUM  
CLASS  
ORDER

Arthropoda  
Crustacea  
Copepoda

LINGEN LAKE

Latitude 51°55'; Longitude 85°15'

GENUS	SPECIES	June 7/71	June 25/71	July 15/71	July 23/71	Aug. 1/71	Aug. 14/71	Sept. 3/71	Sept. 25/71				
<u>SUB-ORDER Calanoida</u>													
Diaptomus	oregonensis			2	3	5	5		10				
Diaptomus	minutus	2	2	16	5	31	18	132	110				
Diaptomus	sicilis												
Diaptomus	ashlandi												
Diaptomus	sp.		16		13		89	276	70				
Epischura	lacustris	3	38	13	6	18	17		10				
Limnocalanus	macrurus												
<u>SUB-ORDER Harpacticoida</u>													
Canthocamptus	oregonensis												
<u>SUB-ORDER Cyclopoida</u>													
Cyclops	bicuspidatus thomasi		22	23	59	48	13	24	70				
Cyclops	vernalis						10		20				
Cyclops	scutifer					1							
Cyclops	sp.	339	221	51	50	20	117	312	140				
Mesocyclops	edax												
Mesocyclops	leuckarti												
Eucyclops	agilis				2	1							
Tropocyclops	prasinus mexicanus												
Macrocyclus	alter												
Macrocyclus	albidus												
Immature	copepods = nauplii	21			9	7	25	84	10				
Ergasilus	sp. (parasitic copepod)												
Volume of water sampled in Litres		20.6	13.8	17.2	17.2	20.6	34.4	31.0	27.5				

TABLE 123  
ZOOPLANKTON  
ALBANY RIVER BASIN

134

PHYLUM  
CLASS  
ORDER

Arthropoda  
Crustacea  
Cladocera

LOWER TWIN LAKE

Latitude 50°18'; Longitude 86°31'

GENUS	SPECIES	June 12/71	June 26/71	July 20/71	July 25/71	Aug. 1/71	Aug. 15/71	Sept. 2/71	Sept. 15/71				
Acroperus	harpae												
Alona	affinis												
Alona	guttata												
Alona	sp.												
Allonella	sp.												
Bosmina	sp.	168	312	300	336	252	250	384	430				
Canthocamptus	oregonensis								10				
Ceriodaphnia	lacustris												
Ceriodaphnia	reticulata												
Ceriodaphnia	sp.												
Chydorus	sphaericus	12	56				20	24	100				
Daphnia	catawba												
Daphnia	galeata mendotae			80	120	168	280	288	290				
Daphnia	longiremis	60	16	10									
Daphnia	middendorffiana							12					
Daphnia	pulex												
Daphnia	retrocurva		72	10	56	28	40	132	100				
Daphnia	rosea												
Daphnia	sp.												
Diaphanosoma	leuchtenbergianum			10	16		60	36					
Eurycercus	lamellatus												
Holopedium	gibberum	24	96										
Leptodora	kindtii												
Macrothrix	sp.							24	10				
Ophryoxus	gracilis												
Pleuroxus	sp.												
Polyphemus	pediculus												
Rhynchotalona	falcata												
Sida	crystallina												
Streblocerus	serricaudatus												
Volume of Water Sampled in Litres		244.2	185.8	275.0	233.9	223.6	206.4	206.4	206.4				

TABLE 126  
ZOOPLANKTON  
ALBANY RIVER BASIN

PHYLUM  
CLASS  
ORDER

Arthropoda  
Crustacea  
Copepoda

LOWER TWIN LAKE

Latitude 50°18'; Longitude 86°31'

GENUS	SPECIES	June 12/71	June 26/71	July 20/71	July 25/71	Aug. 1/71	Aug. 15/71	Sept. 2/71	Sept. 15/71				
<u>SUB-ORDER Calanoida</u>													
Diaptomus	oregonensis				32	14		72					
Diaptomus	minutus												
Diaptomus	sicilis												
Diaptomus	ashlandi	180	192	510	144	630	1000	300	50				
Diaptomus	sp.				224	70		708	410				
Epischura	lacustris	12	160	160	128	56	100	48	40				
Limnocalanus	macrurus												
<u>SUB-ORDER Harpacticoida</u>													
Canthocamptus	oregonensis												
<u>SUB-ORDER Cyclopoida</u>													
Cyclops	bicuspidatus thomasi	828	440	110	656	770	170	744	150				
Cyclops	vernalis		24	50			50	48	60				
Cyclops	scutifer	660	176	20									
Cyclops	sp.	1944	64	990			530		1160				
Mesocyclops	edax		32	20		70	30	96					
Mesocyclops	leuckarti								40				
Eucyclops	agilis						10						
Tropocyclops	prasinus mexicanus												
Macrocyclus	alter												
Macrocyclus	albidus												
Immature	copepods = nauplii	108	320	180	16	378	40	264	20				
Ergasilus	sp. (parasitic copepod)												
Volume of water sampled in Litres		244.2	185.8	275.0	233.9	223.6	206.4	206.4	206.4				

TABLE 127  
ZOOPLANKTON  
ALBANY RIVER BASIN

PHYLUM  
CLASS  
ORDER

Arthropoda  
Crustacea  
Cladocera

LUCY LAKE

Latitude 50°18'; Longitude 87°13'

GENUS	SPECIES	June 6/71	June 14/71	June 25/71	July 15/71	July 23/71	Aug. 1/71	Aug. 14/71	Sept. 3/71	Sept. 15/71	Sept. 25/71		
Acroperus	harpae												
Alona	affinis												
Alona	guttata												
Alona	sp.												
Allonella	sp.												
Bosmina	sp.	176	182	1040	1620	784	360	204	140	112	392		
Canthocamptus	oregonensis												
Ceriodaphnia	lacustris								20				
Ceriodaphnia	reticulata												
Ceriodaphnia	sp.												
Chydorus	sphaericus	160	42	640	610	182	324	192	280	658			
Daphnia	catawba												
Daphnia	galeata mendotae		28	48	40			48	20	56			
Daphnia	longiremis		42	48		98			20				
Daphnia	middendorffiana	16											
Daphnia	pulex												
Daphnia	retrocurva			208	580	630	420	384	400	938	840		
Daphnia	rosea												
Daphnia	sp.												
Diaphanosoma	leuchtenbergianum												
Eurycerus	lamellatus												
Holopedium	gibberum		28		10	14	48	48					
Leptodora	kindtii		14				12		10		14		
Macrothrix	sp.												
Ophryoxus	gracilis												
Pleuroxus	sp.												
Polyphemus	pediculus												
Rhynchotalona	falcata												
Sida	crystallina								10				
Streblocerus	serricaudatus												
Volume of Water Sampled in Litres		158.2	120.4	178.9	151.4	154.8	123.8	134.2	151.4	158.2	189.2		

TABLE 128  
ZOOPLANKTON  
ALBANY RIVER BASIN

PHYLUM  
CLASS  
ORDER

Arthropoda  
Crustacea  
Copepoda

LUCY LAKE

Latitude 50°18'; Longitude 87°13'

GENUS	SPECIES	June 6/71	June 14/71	June 25/71	July 15/71	July 23/71	Aug. 1/71	Aug. 14/71	Sept. 3/71	Sept. 15/71	Sept. 25/71		
<u>SUB-ORDER Calanoida</u>													
Diaptomus	oregonensis												
Diaptomus	minutus			1328	110	42	72	264	20	56	154		
Diaptomus	sicilis										168		
Diaptomus	ashlandi								20				
Diaptomus	sp.	1600	812	64	1580	1414	1068	708	540	182	336		
Epischura	lacustris		14			56	24	12	30	28			
Limnocalanus	macrurus												
<u>SUB-ORDER Harpacticoida</u>													
Canthocamptus	oregonensis												
<u>SUB-ORDER Cyclopoida</u>													
Cyclops	bicuspidatus thomasi	5728	3458	4208	100	168	144	240	220	350	182		
Cyclops	vernalis			32	60	56	72		350	280	42		
Cyclops	scutifer												
Cyclops	sp.				1830	2072	1860	1596	400	392	1834		
Mesocyclops	edax					42	24	12	30				
Mesocyclops	leuckarti												
Eucyclops	agilis												
Tropocyclops	prasinus mexicanus												
Macrocyclus	alter												
Macrocyclus	albidus												
Immature	copepods = nauplii	304	70	48	510	42	144	396	40	56			
Ergasilus	sp. (parasitic copepod)						12						
Volume of water sampled in Litres		158.2	120.4	178.9	151.4	154.8	123.8	134.2	151.4	158.2	189.2		



TABLE 129  
ZOOPLANKTON  
ALBANY RIVER BASIN

PHYLUM  
CLASS  
ORDER

Arthropoda  
Crustacea  
Cladocera

STRING BOG

Latitude 51°31'; Longitude 85°44'

GENUS	SPECIES	June 25/71	July 15/71	Aug. 1/71	Sept. 3/71	Sept. 25/71						
Acroperus	harpae											
Alona	affinis											
Alona	guttata											
Alona	sp.											
Allonella	sp.				2							
Bosmina	sp.	1		2	1							
Canthocamptus	oregonensis											
Ceriodaphnia	lacustris											
Ceriodaphnia	reticulata											
Ceriodaphnia	sp.											
Chydorus	sphaericus	4	1	2	3	12						
Daphnia	catawba											
Daphnia	galeata mendotae		1			1						
Daphnia	longiremis			1								
Daphnia	middendorffiana											
Daphnia	pulex											
Daphnia	retrocurva	3				3						
Daphnia	rosea											
Daphnia	sp.											
Diaphanosoma	leuchtenbergianum	40	6	7	1							
Eurycercus	lamellatus											
Holopedium	gibberum	2		1								
Leptodora	kindtii											
Macrothrix	sp.											
Ophryoxus	gracilis											
Pleuroxus	sp.											
Polyphemus	pediculus	9	3	20								
Rhynchotalona	falcata											
Sida	crystallina											
Streblocerus	serricaudatus					2						
Volume of Water Sampled in Litres		10.3	10.3	13.8	17.2	20.6						

TABLE 130  
ZOOPLANKTON  
ALBANY RIVER BASIN

PHYLUM  
CLASS  
ORDER

Arthropoda  
Crustacea  
Copepoda

STRING BOG

Latitude 51°31'; Longitude 85°44'

GENUS	SPECIES	June 25/71	July 15/71	Aug. 1/71	Sept. 3/71	Sept. 25/71						
<u>SUB-ORDER Calanoida</u>												
Diaptomus	oregonensis					1						
Diaptomus	minutus											
Diaptomus	sicilis											
Diaptomus	ashlandi			1								
Diaptomus	sp.	3		2	6	3						
Epischura	lacustris											
Limnocalanus	macrurus											
<u>SUB-ORDER Harpacticoida</u>												
Canthocamptus	oregonensis											
<u>SUB-ORDER Cyclopoida</u>												
Cyclops	bicuspidatus thomasi	1	3									
Cyclops	vernalis				6	2						
Cyclops	scutifer											
Cyclops	sp.	9		7	8	31						
Mesocyclops	edax	1										
Mesocyclops	leuckarti											
Eucyclops	agilis											
Tropocyclops	prasinus mexicanus											
Macrocyclus	alter											
Macrocyclus	albidus											
Immature	copepods = nauplii			1		1						
Ergasilus	sp. (parasitic copepod)											
Volume of water sampled in Litres.		10.3	10.3	13.8	17.2	20.6						

TABLE 131  
ZOOPLANKTON  
ALBANY RIVER BASIN

PHYLUM	Arthropoda	WABEMIEG LAKE											
CLASS	Crustacea	Latitude 51°28'; Longitude 85°35'											
ORDER	Cladocera												
GENUS	SPECIES	June 7/71	June 14/71	June 25/71	July 15/71	July 23/71	Aug. 1/71	Aug. 14/71	Sept. 3/71	Sept. 25/71			
Acroperus	harpae				1								
Alona	affinis												
Alona	guttata		8										
Alona	sp.												
Allonella	sp.												
Bosmina	sp.	24	8	8	3	2		10	10	40			
Canthocamptus	oregonensis												
Ceriodaphnia	lacustris												
Ceriodaphnia	reticulata												
Ceriodaphnia	sp.												
Chydorus	sphaericus	32			6	7	21	100	90	400			
Daphnia	catawba									8			
Daphnia	galeata mendotae					4	3	30	20				
Daphnia	longiremis												
Daphnia	middendorffiana												
Daphnia	pulex												
Daphnia	retrocurva	24	64	112	48		7	10		120			
Daphnia	rosea												
Daphnia	sp.												
Diaphanosoma	leuchtenbergianum	16	16		22	14	22	270	20	32			
Eurycercus	lamellatus	8		8		2							
Holopedium	gibberum	8	56	8									
Leptodora	kindtii		8		1	2		10	20				
Macrothrix	sp.												
Ophryoxus	gracilis	8					2						
Pleuroxus	sp.												
Polyphemus	pediculus												
Rhynchotalona	falcata						1						
Sida	crystallina	8											
Streblocerus	serricaudatus												
Volume of Water Sampled in Litres		20.6	17.2	13.8	17.2	17.2	17.2	34.4	24.1	27.5			

PHYLUM  
CLASS  
ORDER

Arthropoda  
Crustacea  
Copepoda

TABLE 132  
ZOOPLANKTON  
ALBANY RIVER BASIN

WABEMIEG LAKE

Latitude 51°28'; Longitude 85°35'

GENUS	SPECIES	June 7/71	June 14/71	June 25/71	July 15/71	July 23/71	Aug. 1/71	Aug. 11/71	Sept. 3/71	Sept. 25/71			
<u>SUB-ORDER Calanoida</u>													
Diaptomus	oregonensis					4							
Diaptomus	minutus												
Diaptomus	sicilis												
Diaptomus	ashlandi								20				
Diaptomus	sp.		48			17	3	30					
Epischura	lacustris	72	40	56	20	2	27	20		16			
Limnocalanus	macrurus												
<u>SUB-ORDER Harpacticoida</u>													
Canthocamptus	oregonensis												
<u>SUB-ORDER Cyclopoida</u>													
Cyclops	bicuspidatus thomasi	40	568	96	14	15	15	130	50	120			
Cyclops	vernalis	96			12	10	58	40	10	40			
Cyclops	scutifer		8				1						
Cyclops	sp.	504	24		189	158	99	60	340	600			
Mesocyclops	edax							10					
Mesocyclops	leuckarti												
Eucyclops	agilis												
Tropocyclops	prasinus mexicanus												
Macrocyclus	alter												
Macrocyclus	albidus												
Immature	copepods = nauplii	48	24	24	5	25	11	10					
Ergasilus	sp. (parasitic copepod)												
Volume of water sampled in Litres		20.6	17.2	13.8	17.2	17.2	17.2	34.1	24.1	27.5			

TABLE 133  
ZOOPLANKTON  
ATTAWAPISKAT RIVER BASIN

PHYLUM  
CLASS  
ORDER

Arthropoda  
Crustacea  
Cladocera

STREATFIELD LAKE

Latitude 52° 08'; Longitude 85° 53'

GENUS	SPECIES	June 7/71	June 14/71	June 25/71	July 15/71	Aug. 1/71	Aug. 14/71	Sept. 3/71	Sept. 25/71				
Acroperus	harpae												
Alona	affinis	1											
Alona	guttata												
Alona	sp.												
Allonella	sp.												
Bosmina	sp.	7	40	56	28	59	696	387	400				
Canthocamptus	oregonensis												
Ceriodaphnia	lacustris					1							
Ceriodaphnia	reticulata												
Ceriodaphnia	sp.												
Chydorus	sphaericus	15	15	14	33	14	24		64				
Daphnia	catawba												
Daphnia	galeata mendotae		1			1							
Daphnia	longiremis							36					
Daphnia	middendorffiana												
Daphnia	pulex												
Daphnia	retrocurva		3		8	14			48				
Daphnia	rosea												
Daphnia	sp.												
Diaphanosoma	leuchtenbergianum		4	7	22	31	300	162	8				
Eurycercus	lamellatus	2				1	12						
Holopedium	gibberum	9											
Leptodora	kindtii												
Macrothrix	sp.	1											
Ophryoxus	gracilis												
Pleuroxus	sp.												
Polyphemus	pediculus												
Rhynchotalona	falcata												
Sida	crystallina												
Streblocerus	serricaudatus												
Volume of Water Sampled in Litres		17.2	13.8	13.8	13.8	17.2	34.4	20.6	27.5				

TABLE 134  
ZOOPLANKTON  
ATTAWAPISKAT RIVER BASIN

PHYLUM  
CLASS  
ORDER

Arthropoda  
Crustacea  
Copepoda

STREATFIELD LAKE

Latitude 52°08'; Longitude 85°53'

GENUS	SPECIES	June 7/71	June 14/71	June 25/71	July 15/71	Aug. 1/71	Aug. 14/71	Sept. 3/71	Sept. 25/71				
<u>SUB-ORDER Calanoida</u>													
Diaptomus	oregonensis			50	11	37	72	45	96				
Diaptomus	minutus			3	4	2	24		40				
Diaptomus	sicilis												
Diaptomus	ashlandi												
Diaptomus	sp.		47	29	17		36	99	24				
Epischura	lacustris	3	42	12	7	5	36	9	8				
Limnocalanus	macrurus												
<u>SUB-ORDER Harpacticoida</u>													
Canthocamptus	oregonensis												
<u>SUB-ORDER Cyclopoida</u>													
Cyclops	bicuspidatus thomasi	16	41	11	32	159	636	126	64				
Cyclops	vernalis						60		16				
Cyclops	scutifer												
Cyclops	sp.	61	200	165	70			81	352				
Mesocyclops	edax												
Mesocyclops	leuckarti												
Eucyclops	agilis												
Tropocyclops	prasinus mexicanus												
Macrocyclus	alter												
Macrocyclus	albidus												
Immature	copepods = nauplii	31	14		5	3	48	9					
Ergasilus	sp. (parasitic copepod)												
Volume of water sampled in Litres		17.2	13.8	13.8	13.8	17.2	34.4	20.6	27.5				

TABLE 135  
ZOOPLANKTON  
MOOSE RIVER BASIN

PHYLUM  
CLASS  
ORDER

Arthropoda  
Crustacea  
Cladocera

BRUNSWICK LAKE

Latitude 49°00'; Longitude 83°23'

GENUS	SPECIES	June 8/71	June 22/71	July 3/71	July 17/71	July 29/71	Aug. 17/71	Aug. 27/71	Sept. 28/71				
Acroperus	harpae												
Alona	affinis												
Alona	guttata												
Alona	sp.												
Allonella	sp.												
Bosmina	sp. (coregoni)	110	30	70		75	50	60	140				
Canthocamptus	oregonensis												
Ceriodaphnia	lacustris												
Ceriodaphnia	reticulata												
Ceriodaphnia	sp.												
Chydorus	sphaericus						20	60	210				
Daphnia	catawba					12							
Daphnia	galeata mendotae		80	280	70	252		60	70				
Daphnia	longiremis												
Daphnia	middendorffiana												
Daphnia	pulex												
Daphnia	retrocurva	10	40	250	460	960	170	50	672				
Daphnia	rosea												
Daphnia	sp.												
Diaphanosoma	leuchtenbergianum	10		170	300	1080	930	190	112				
Eurycercus	lamellatus												
Holopedium	gibberum	60											
Leptodora	kindtii	10											
Macrothrix	sp.					12	10						
Ophryoxus	gracilis												
Pleuroxus	sp.												
Polyphemus	pediculus												
Rhynchotalona	falcata												
Sida	crystallina												
Streblocerus	serricaudatus												
Volume of Water Sampled in Litres		48.2	86.0	92.9	61.9	89.4	82.6	79.1	82.6				

TABLE 136  
ZOOPLANKTON  
MOOSE RIVER BASIN

PHYLUM  
CLASS  
ORDER

Arthropoda  
Crustacea  
Copepoda

BRUNSWICK LAKE

Latitude 49°00'; Longitude 83°23'

GENUS	SPECIES	June 8/71	June 22/71	July 3/71	July 17/71	July 29/71	Aug. 17/71	Aug. 27/71	Sept. 28/71				
<u>SUB-ORDER Calanoida</u>													
Diaptomus	oregonensis		170	230	110	576	50	330	168				
Diaptomus	minutus		20	30	10		30		28				
Diaptomus	sicilis												
Diaptomus	ashlandi	10					100						
Diaptomus	sp.	360	1870	540	270	492	180		70				
Epischura	lacustris		80	30	10	48	20	20	14				
Limnocalanus	macrurus												
<u>SUB-ORDER Harpacticoida</u>													
Canthocamptus	oregonensis												
<u>SUB-ORDER Cyclopoida</u>													
Cyclops	bicuspidatus thomasi	220	20	40					1750				
Cyclops	vernalis			10			170	30	196				
Cyclops	scutifer												
Cyclops	sp.	120	20	90	120	720	440	400					
Mesocyclops	edax	150	50	50	160	360	150	260					
Mesocyclops	leuckarti								56				
Eucyclops	agilis												
Tropocyclops	prasinus mexicanus												
Macrocylops	alter												
Macrocylops	albidus												
Immature	copepods = nauplii	90	10	170	130	192	130	150	14				
Ergasilus	sp. (parasitic copepod)												
Volume of water sampled in Litres		48.2	86.0	92.9	61.9	89.4	82.6	79.1	82.6				



TABLE 137  
ZOOPLANKTON  
MOOSE RIVER BASIN

PHYLUM  
CLASS  
ORDER

Arthropoda  
Crustacea  
Cladocera

PIERRE LAKE

Latitude 49°31'; Longitude 80°44'

GENUS	SPECIES	June 6/71	June 22/71	July 2/71	July 19/71	July 29/71	Aug. 17/71	Aug. 27/71	Sept. 30/71				
Acroperus	harpae												
Alona	affinis												
Alona	guttata												
Alona	sp.												
Allonella	sp.												
Bosmina	sp.	10	2			8	108	360	10				
Canthocamptus	oregonensis												
Ceriodaphnia	lacustris												
Ceriodaphnia	reticulata												
Ceriodaphnia	sp.												
Chydorus	sphaericus						96						
Daphnia	catawba												
Daphnia	galeata mendotae	7	66	174	780	32	72	30	50				
Daphnia	longiremis	2											
Daphnia	middendorffiana			6					10				
Daphnia	pulex												
Daphnia	retrocurva		25	90	70	32	48	10					
Daphnia	rosea												
Daphnia	sp.												
Diaphanosoma	leuchtenbergianum		6			8	276	350	10				
Eurycercus	lamellatus												
Holopedium	gibberum	2	4										
Leptodora	kindtii												
Macrothrix	sp.												
Ophryoxus	gracilis												
Pleuroxus	sp.	1											
Polyphemus	pediculus												
Rhynchotalona	falcata												
Sida	crystallina												
Streblocerus	serricaudatus												
Volume of Water Sampled in Litres		37.8	68.8	120.4	103.2	75.7	120.4	113.5	113.5				

TABLE 138  
ZOOPLANKTON  
MOOSE RIVER BASIN

PHYLUM  
CLASS  
ORDER

Arthropoda  
Crustacea  
Copepoda

PIERRE LAKE

Latitude 49°31'; Longitude 80°44'

GENUS	SPECIES	June 6/71	June 22/71	July 2/71	July 19/71	July 29/71	Aug. 17/71	Aug. 27/71	Sept. 30/71				
<u>SUB-ORDER Calanoida</u>													
Diaptomus	oregonensis	3					56	20					
Diaptomus	minutus		5	36		24	60	80					
Diaptomus	sicilis												
Diaptomus	ashlandi	75	18	180	3520	168		40					
Diaptomus	sp.	75	203	708		616	1860	510	460				
Epischura	lacustris	15	13	30	20	24	72	50	20				
Limnocalanus	macrurus			6	20		12		10				
<u>SUB-ORDER Harpacticoida</u>													
Canthocamptus	oregonensis												
<u>SUB-ORDER Cyclopoida</u>													
Cyclops	bicuspidatus thomasi	37	13	6	200	40	36	230	10				
Cyclops	vernalis				50	32	12	40	100				
Cyclops	scutifer			6									
Cyclops	sp.	44	111				240		500				
Mesocyclops	edax	1	7	150	40		24	20	10				
Mesocyclops	leuckarti												
Eucyclops	agilis												
Tropocyclops	prasinus mexicanus	1											
Macrocyclus	alter												
Macrocyclus	albidus												
Immature	copepods = nauplii	35	49	144	40		72	60	10				
Ergasilus	sp. (parasitic copepod)												
Volume of water sampled in Litres		37.8	68.8	120.4	103.2	75.7	120.4	113.5	113.5				

TABLE 139  
ZOOPLANKTON  
MOOSE RIVER BASIN

PHYLUM  
CLASS  
ORDER

Arthropoda  
Crustacea  
Cladocera

REMI LAKE

Latitude 49°25'; Longitude 82°10'

GENUS	SPECIES	June 9/71	June 22/71	July 4/71	July 18/71	July 30/71	Aug. 17/71	Aug. 27/71	Sept. 10/71	Sept. 30/71			
Acroperus	harpae												
Alona	affinis												
Alona	guttata												
Alona	sp.												
Allonella	sp.												
Bosmina	sp.	100	60	30	10	10							
Canthocamptus	oregonensis												
Ceriodaphnia	lacustris		10	10	130	250			196				
Ceriodaphnia	reticulata												
Ceriodaphnia	sp.							28					
Chydorus	sphaericus	40	20	10	140	1220	4080	2800	2450	2562			
Daphnia	catawba												
Daphnia	galeata mendotae	40	100	310	100	600	500	1400	2628	294			
Daphnia	longiremis	50	60				10						
Daphnia	middendorffiana												
Daphnia	pulex												
Daphnia	retrocurva	70	450	630	510	660		770	1050	56			
Daphnia	rosea												
Daphnia	sp.												
Diaphanosoma	leuchtenbergianum	10	20	90	460	430	320	168	182	56			
Eurycercus	lamellatus												
Holopedium	gibberum	10											
Leptodora	kindtii				10			14	14	4			
Macrothrix	sp.												
Ophryoxus	gracilis												
Pleuroxus	sp.												
Polyphemus	pediculus												
Rhynchotalona	falcata												
Sida	crystallina												
Streblocerus	serricaudatus												
Volume of Water Sampled in Litres		48.2	86.0	75.7	89.4	92.9	68.8	79.1	86.0	75.7			

TABLE 140  
ZOOPLANKTON  
MOOSE RIVER BASIN

PHYLUM  
CLASS  
ORDER

Arthropoda  
Crustacea  
Copepoda

REMI LAKE

Latitude 49° 25'; Longitude 82° 10'

GENUS	SPECIES	June 9/71	June 22/71	July 4/71	July 18/71	July 30/71	Aug. 17/71	Aug. 27/71	Sept. 10/71	Sept. 30/71			
<u>SUB-ORDER Calanoida</u>													
Diaptomus	oregonensis	10	1220	150	1430	270	280	14	84	364			
Diaptomus	minutus												
Diaptomus	sicilis												
Diaptomus	ashlandi			10									
Diaptomus	sp.	850	30	1030	350	260	250	420	1008	84			
Epischura	lacustris	60	70	60	10	10	30	14	56	14			
Limnocalanus	macrurus												
<u>SUB-ORDER Harpacticoida</u>													
Canthocamptus	oregonensis												
<u>SUB-ORDER Cyclopoida</u>													
Cyclops	bicuspidatus thomasi	20	100	70	60	150	70	56	14	98			
Cyclops	vernalis	20	60	30	170	100	30	28	448	1190			
Cyclops	scutifer												
Cyclops	sp.	1200	400	190	590	390	110	154	210				
Mesocyclops	edax	50	50	20	70	170	90		98	42			
Mesocyclops	leuckarti							84					
Eucyclops	agilis												
Tropocyclops	prasinus mexicanus												
Macrocylops	alter												
Macrocylops	albidus												
Immature	copepods = nauplii	20	100	80		150	50	42	70	14			
Ergasilus	sp. (parasitic copepod)												
Volume of water sampled in Litres		48.2	86.0	75.7	89.4	92.9	68.8	79.1	86.0	75.7			

TABLE 141  
ZOOPLANKTON  
MOOSE RIVER BASIN

PHYLUM  
CLASS  
ORDER

Arthropoda  
Crustacea  
Cladocera

SAGANASH LAKE

Latitude 49°49'; Longitude 82°35'

GENUS	SPECIES	June 8/71	June 22/71	July 3/71	July 17/71	July 29/71	Aug. 17/71	Aug. 27/71	Sept. 28/71				
Acroperus	harpaе												
Alona	affinis												
Alona	guttata												
Alona	sp.												
Allonella	sp.												
Bosmina	sp.	24			16			10					
Canthocamptus	oregonensis												
Ceriodaphnia	lacustris												
Ceriodaphnia	reticulata												
Ceriodaphnia	sp.												
Chydorus	sphaericus						110						
Daphnia	catawba								12				
Daphnia	galeata mendotae	24	98	80	32	50			12				
Daphnia	longiremis												
Daphnia	middendorffiana												
Daphnia	pulex												
Daphnia	retrocurva		28	160	48	80	70	100	12				
Daphnia	rosea												
Daphnia	sp.												
Diaphanosoma	leuchtenbergianum		63	120	56	160	530	860	684				
Eurycercus	lamellatus												
Holopedium	gibberum												
Leptodora	kindtii			20			10						
Macrothrix	sp.												
Ophryoxus	gracilis												
Pleuroxus	sp.												
Polyphemus	pediculus												
Rhynchotalona	falcata												
Sida	crystallina												
Streblocerus	serricaudatus												
Volume of Water Sampled in Litres		51.6	55.0	51.6	31.0	86.0	86.0	58.5	48.2				

TABLE 142  
ZOOPLANKTON  
MOOSE RIVER BASIN

PHYLUM  
CLASS  
ORDER

Arthropoda  
Crustacea  
Copepoda

SAGANASH LAKE

Latitude 49°49'; Longitude 82°35'

GENUS	SPECIES	June 8/71	June 22/71	July 3/71	July 17/71	July 29/71	Aug. 17/71	Aug. 27/71	Sept. 28/71				
<u>SUB-ORDER Calanoida</u>													
Diaptomus	oregonensis												
Diaptomus	minutus												
Diaptomus	sicilis												
Diaptomus	ashlandi	792	511	1360	320	580	1600	150	84				
Diaptomus	sp.	3648	105		72	1140		70	636				
Epischura	lacustris	60	56	120	48	80	70	50	12				
Limnocalanus	macrurus												
<u>SUB-ORDER Harpacticoida</u>													
Canthocamptus	oregonensis												
<u>SUB-ORDER Cyclopoida</u>													
Cyclops	bicuspidatus thomasi	48	70	10	24	10							
Cyclops	vernalis				8	40	110	10	144				
Cyclops	scutifer					10	10						
Cyclops	sp.	240			40	50		80					
Mesocyclops	edax												
Mesocyclops	leuckarti												
Eucyclops	agilis												
Tropocyclops	prasinus mexicanus												
Macrocyclus	alter												
Macrocyclus	albidus												
Immature	copepods = nauplii	48	42	130	96			20					
Ergasilus	sp. (parasitic copepod)												
Volume of water sampled in Litres		51.6	55.0	51.6	31.0	86.0	86.0	58.5	48.2				

TABLE 143  
ZOOPLANKTON  
MOOSE RIVER BASIN

PHYLUM  
CLASS  
ORDER

Arthropoda  
Crustacea  
Cladocera

SHANNON LAKE

Latitude 49°47'; Longitude 83°23'

GENUS	SPECIES	June 8/71	June 22/71	July 3/71	July 17/71	July 29/71	Aug. 17/71	Aug. 27/71	Sept. 28/71				
Acroperus	harpae												
Alona	affinis												
Alona	guttata							1	16				
Alona	sp.												
Allonella	sp.												
Bosmina	sp.	130	58	59	96	189	480	75	160				
Canthocamptus	oregonensis												
Ceriodaphnia	lacustris					2	40	41	16				
Ceriodaphnia	reticulata								8				
Ceriodaphnia	sp.												
Chydorus	sphaericus	10	2	5	13	21	70	9	16				
Daphnia	catawba								16				
Daphnia	galeata mendotae	110	55	27	3			1	8				
Daphnia	longiremis												
Daphnia	middendorffiana	60	5										
Daphnia	pulex												
Daphnia	retrocurva	20	4	5	12	11		4	8				
Daphnia	rosea	50											
Daphnia	sp.												
Diaphanosoma	leuchtenbergianum			5		5		11					
Eurycercus	lamellatus												
Holopedium	gibberum		3	10	5	28	310	110	72				
Leptodora	kindtii												
Macrothrix	sp.												
Ophryoxus	gracilis												
Pleuroxus	sp.												
Polyphemus	pediculus												
Rhynchotalona	falcata												
Sida	crystallina						390	30	8				
Streblocerus	serricaudatus												
Volume of Water Sampled in Litres		27.5	24.1	17.2	20.6	24.1	34.4	34.4	24.1				

TABLE 144  
ZOOPLANKTON  
MOOSE RIVER BASIN

PHYLUM  
CLASS  
ORDER

Arthropoda  
Crustacea  
Copepoda

SHANNON LAKE

Latitude 49°47'; Longitude 83°23'

GENUS	SPECIES	June 8/71	June 22/71	July 3/71	July 17/71	July 29/71	Aug. 17/71	Aug. 27/71	Sept. 28/71				
<u>SUB-ORDER Calanoida</u>													
Diaptomus	oregonensis	20	49	29	25	5	150	51	104				
Diaptomus	minutus												
Diaptomus	sicilis			5									
Diaptomus	ashlandi												
Diaptomus	sp.		43	40	46	35			8				
Epischura	lacustris	10		2	2	1							
Limnocalanus	macrurus												
<u>SUB-ORDER Harpacticoida</u>													
Canthocamptus	oregonensis												
<u>SUB-ORDER Cyclopoida</u>													
Cyclops	bicuspidatus thomasi	350	17	2	2	1			32				
Cyclops	vernalis			2			50	10	8				
Cyclops	scutifer												
Cyclops	sp.	970	80	41	28	85	130	32	416				
Mesocyclops	edax	20	2			9		5					
Mesocyclops	leuckarti												
Eucyclops	agilis												
Tropocyclops	prasinus mexicanus												
Macrocyclus	alter								16				
Macrocyclus	albidus						30		16				
Immature	copepods = nauplii	10	18	13	12	13	50	101	40				
Ergasilus	sp. (parasitic copepod)												
Volume of water sampled in Litres		27.5	24.1	17.2	20.6	24.1	34.4	34.4	24.1				



ONTARIO

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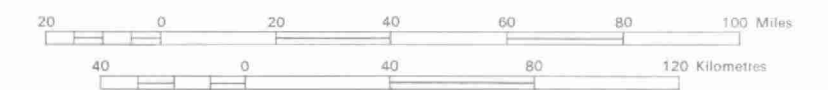
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# WATER RESOURCES SURVEY NORTHERN ONTARIO

MAP 2006-10  
HYDROMETRIC STATIONS 1971



Scale 1 inch equals 33 miles



Base map derived from Map MCF 38, Dept. of Mines and Technical Surveys, Ottawa, 1962.

## LEGEND

- Streamflow gauging station, recording gauge, open water period ..... 002
- Streamflow gauging station, recording gauge (Environment Ontario) ..... 009
- Streamflow gauging station, recording gauge (Environment Canada) ..... 4FB-2
- Lake gauge ..... 4GC-1
- Meteorological station ..... COCHRANE
- Precipitation station only, recording gauge ..... FORT HOPE
- Snow course ..... 001
- Ground water observation station ..... 004
- Ground water observation station, recording gauge ..... 003R
- Ground water observation station, two piezometers ..... 007(2)
- Environment Ontario station ..... 001, 009, 003, 004, 007(2)
- Environment Canada station ..... 4FB-2, 4GC-1
- Abandoned station ..... /

To accompany Water Resources Bulletin 1-4

